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Part A - Data transmission cables (automatics, electronics, computers)

A1 – TECHNOTRONIK Multi-wire conductor cables for automatics and electronics

TECHNOTRONIK is a control cable intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronics and automatics applications.

The cable is designed to offer high flexibility and small outer diameter combined with mechanical strength. The cable can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.







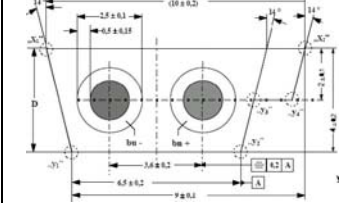



	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 61 0.14 ÷ 2.5 300/300 V	TECHNOTRONIK LIYY PVC insulation - identification colour code in accordance with DIN VDE 47100.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 48 0.5 ÷ 2.5 300/300 V	TECHNOTRONIK LIYY-Nr Black PVC insulation and white conductor number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 10 0.25 ÷ 1.0 300/300 V	TECHNOTRONIK LIYwYw 105°C Cable use in temperature up to 105°C is possible with a special heat resistant PVC used as an insulation and a sheath material.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 30 0.14 ÷ 1.5 300/300 V	TECHNOTRONIK LIYY-P Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of external sources of interference.











TECHNOTRONIK is a shielded control cable intended for control and instrumentation circuits, for signal, monitoring and computer systems and for analogue or digital data transmission, all for industrial electronics and automatics applications. Overall tin-plated copper wires braided shield with > 80% coverage, protects the cable against external electromagnetic interferences and provides uninterrupted analogue and digital signal transmission.

The cable is designed to offer high flexibility and small outer diameter combined with mechanical strength. The cable can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.

	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 61 0.14 ÷ 2.5 300/300 V	TECHNOTRONIK LIYCY PVC insulation - identification colour code in accordance with DIN VDE 47100.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 61 0.5 ÷ 2.5 300/300 V	TECHNOTRONIK LIYCY-Nr Black PVC insulation and white conductor number printed on it for identification.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 25 0.14 ÷ 1.5 300/300 V	TECHNOTRONIK LIYCY-P Insulated conductors twisted into pairs.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 48 0.5 ÷ 1.5 300/300 V	TECHNOTRONIK LIYYCY PVC internal sheath of a cable core concealed under the overall shield. Identification colour code in accordance with DIN VDE 47100.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 48 0.5 ÷ 1.5 300/300 V	TECHNOTRONIK LIYYCY-Nr PVC internal sheath of a cable core concealed under the overall shield. Black PVC insulation and white conductor number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 48 0.5 ÷ 2.5 300/300 V	TECHNOTRONIK LIY(St)CY Double shield incorporating aluminium-laminated tape under tinned copper wire braid of coverage bigger than 60%.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 12 0.25 ÷ 1.0 300/300 V	TECHNOTRONIK LIYC-CY-P Pair twisted cable core under tinned copper wire braid shield of coverage bigger than 80%.




	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 10 0.25 ÷ 1.0 300/300 V	TECHNOTRONIK LIYCY-CY-P Pair twisted cable core under tinned copper wire braid shield of coverage bigger than 80%.. Shielded pairs PVC sheath for mutual insulation.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 12 0.22 300/300 V	TECHNOTRONIK LIY(St)-CY nx2x0,22mm² The cable core twisted from conductor pairs, with individual laminated metal tape shield.
A2 – TECHNOKONTROL Multi-wire conductor signal cables for automatics and electronics			
TECHNOKONTROL is a signal cable intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronics and automatics applications. The cable can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.			
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 61 0.35 ÷ 2.5 300/300 V	TECHNOKONTROL YKSLY PVC insulation - identification colour code in accordance with DIN VDE 47100.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 56 0.35 ÷ 2.5 300/300 V	TECHNOKONTROL YKSLY-P Insulated conductors twisted in pairs. Identification colour code in accordance with PN-92/T-90321, consistent with IEC 60189-2.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 61 0.35 ÷ 2.5 300/300 V	TECHNOKONTROL YKSLYekw Overall electrostatic shield, incorporating laminated metal foil protects cable against the interferences induced by an external electrical field.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 56 0.35÷2.5 300/300 V	TECHNOKONTROL YKSLYekw-P Insulated conductors twisted in pairs.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 48 0.5 ÷ 2.5 300/300 V	TECHNOKONTROL YKSLYekpek Pair and overall shielded cable. Shield incorporating plastic laminated metal foil with a drain wire concealed under the shield.
Instrumentation cables are intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, and for industrial electronic applications, especially in chemical, petrochemical and paper industry.			
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 27 0.5 or 0.88 300/300 V	EGSF, EGFA Paired structure cables with overall plastic laminated metal foil shield with drain wire concealed under the shield, with or without steel tape armour.
	No. of pairs: Conductor cross-section: Operating voltage:	3 ÷ 19 0.5 or 0.88 300/300 V	EISF, EIFA Pair shielded cables with sheath and overall shield, with or without steel tape armour. Shield incorporating plastic laminated metal foil with a drain wire concealed under the shield.
A3 – Digital transmission cables			
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 48 0.5 and 1.0 300/300 V	RD-Y(St)Y nx2x0,5 mm2 Bd Unit type cables intended for analogue or digital data transmission up to 10 kHz. The cable is also suitable for Maxi-Termi-Point connection method.
	No. of pairs: Conductor cross-section: Operating voltage:	1 ÷ 24 0.5 ÷ 1.3 300/300 V	RE-2Y(St)Yv Multi-pair shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications. High digital data transmission performance and small capacitance is achieved by polyethylene insulation.

	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 1.3 300/300 V	RE-2Y(St)Yv PIMF Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.
	No. of pairs: Conductor cross-section: Operating voltage:	1 1.5 150 V	Li2Y2YCY 2x1,5 mm² The cable is intended for industrial computer systems. Low capacitance between conductors is a distinctive feature of the cable. For proper transmission of digital and analogue signals the cable is protected by a specially designed overall shield highly effective against external electromagnetic interferences.
	No. of pairs: Conductor cross-section: Operating voltage:	2 0.22 150 V	LiO2YS(St)CY-O nx2x0,22c mm² 100 Ω The cable is intended for industrial computer systems with RS-232 and RS-422 interfaces. Small capacitance between conductors is a distinctive feature of the cable.
A4 – Industrial BUS network cables			
	No. of pairs: Conductor diameter: Operating voltage:	1 1.0 100 V	BUS O2YS(St)CY 1x2x1,0/2,6 mm The cable is intended for industrial PROFIBUS PA control systems.
	No. of pairs: Conductor diameter: Operating voltage:	1 0.64 100 V	BUS O2YS(St)CY 1x2x0,64/2,6 mm The cable is intended for industrial PROFIBUS DP control systems.
	No. of pairs: Conductor design: Operating voltage:	1 AWG 18 100 V	FFBUS 105°C 1x2x18 AWG The cable is intended for FOUNDATION fieldbus systems. The cables operate in temperature up to 105°C.
	No. of conductors: Conductor cross-section: Operating voltage:	2 1.5 48 V DC	TECHNOTRONIK C-BUS/A/J 2x1.5 mm² The cable is intended for industrial AS-I bus control systems.
A5 – BUS network cables for operation in intelligent buildings			
	No. of pairs: Conductor diameter: Operating voltage:	2 0.8 150 V	EIB BUS 2x2x0.8 mm and EIB BUS-H 2x2x0.8 mm The cables are intended for connecting control and signalling equipment operating in intelligent buildings based on European Installation Bus (EIB) systems. Recommended in halogen-free version.
Part B - Control and patch cables			
B1 – Control and patch flexible, multi-wire conductor cables for 300/500 V and 0.6/1 kV			
<p>TECHNOFLEKS LiYY 300/500 V and TECHNOFLEKS LiYYzo 300/500 V cables are designed for wet or dry locations and intended for control, protection and monitoring systems, and power supply. The cables are also suitable for wiring industrial plants, such as production lines, air-conditioning equipment etc.</p> <p>The cables are designed to offer high flexibility combined with mechanical strength. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.</p>			
	No. of conductors: Conductor cross-section: Operating voltage:	1 + 60 0.5 + 50 300/500 V	TECHNOFLEKS LiYY 300/500 V and LiYYzo 300/500 V PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).
	No. of conductors: Conductor cross-section: Operating voltage:	1 + 60 0.5 + 50 300/500 V	TECHNOFLEKS LiYY-Nr 300/500 V and LiYYzo-Nr 300/500 V Black PVC insulation with white conductor number printed on it for identification, green-yellow protective conductor (TECHNOFLEKS LiYYzo-Nr 300/500 V).

	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 50 0.5 ÷ 16 300/500 V	TECHNOFLEKS LiYY-P 300/500 V and LiYY-P-Nr 300/500 V Paired structure cables, identification colour code in accordance with DIN VDE 47100 (LiYY-P 300/500 V), or black and brown with white pair number printed for identification (LiYY-P-Nr 300/500 V).
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 50 300/500 V	TECHNOFLEKS LiYyu-Nr 300/500V and LiYYužo-Nr 300/500 V Increased incombustibility with flame retardant tire PVC sheath.
Flexible, shielded TECHNOFLEKS LiYY 300/500 V and TECHNOFLEKS LiYYžo 300/500 V cables are designed for wet or dry locations and intended for control, protection and monitoring systems, and power supply. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc. Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable. The cables are designed to offer high flexibility combined with mechanical strength. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.			
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 61 0.5 ÷ 50 300/500 V	TECHNOFLEKS LiYCY 300/500 V and LiYCYžo 300/500 V PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 50 300/500 V	TECHNOFLEKS LiYCY-Nr 300/500 V and LiYCYžo-Nr 300/500 V Black PVC insulation and white conductor numbers printed on it for identification, green-yellow protective conductor (LiYCYžo-Nr 300/500 V).
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 30 0.5 ÷ 16 300/500 V	TECHNOFLEKS LiYCY-P 300/500 V and LiYCY-P-Nr 300/500 V Insulated conductors twisted in pairs. Identification colour code in accordance with DIN VDE 47100.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 48 0.5 ÷ 50 300/500 V	TECHNOFLEKS LiYYCY 300/500 V and LiYYCYžo 300/500 V PVC internal sheath of a cable core concealed under the overall shield.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 48 0.5 ÷ 50 300/500 V	TECHNOFLEKS LiYYCY-Nr 300/500 V and LiYYCYžo-Nr 300/500 V Inner PVC cable core sheath concealed under the overall shield. Black PVC insulation and white conductor numbers printed on it for identification, green-yellow protective conductor (LiYYCYžo-Nr 300/500 V).
Flexible, shielded TECHNOFLEKS LiYY 0.6/1 kV and TECHNOFLEKS LiYYžo 0.6/1 kV cables are designed for wet or dry locations and intended for control, protection and monitoring systems, and power supply. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc. The cables are designed to offer high flexibility combined with mechanical strength. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.			
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 50 0.6/1kV	TECHNOFLEKS LiYY 0.6/1 kV and LiYYžo 0.6/1 kV PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 50 0.6/1kV	TECHNOFLEKS LiYY-Nr 0.6/1 kV and LiYYžo-Nr 0.6/1 kV Black PVC insulation with white conductor number printed on it for identification, green-yellow protective conductor (TECHNOFLEKS LiYCYžo-Nr 0.6/1 kV).
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 16 0.5 ÷ 2.5 0.6/1k	TECHNOFLEKS LiYY-P 0.6/1 kV and LiYY-P-Nr 0.6/1 kV Insulated conductors in pairs. Identification colour code in accordance with DIN VDE 47100.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 18 1.5 ÷ 10.0 0.6/1 kV	TECHNOFLEKS LiYwYw 105°C 0.6/1 kV and LiYwYwžo 105°C 0.6/1 kV The cables can be applied at elevated operating temperatures up to 105°C due to insulation and sheath made of special heat resistant PVC.

Flexible, shielded **TECHNOFLEKS 0.6/1 kV** cables are designed for wet or dry locations and intended for control, protection and monitoring systems, and power supply. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc. Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.





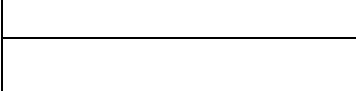


The cables are designed to offer high flexibility combined with mechanical strength. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.












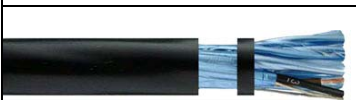
	No. of conductors: Conductor cross-section: Operating voltage:	1 + 41 0.5 + 50 0.6/1 kV	TECHNOFLEKS LiYCY 0.6/1 kV and LiYCYżo 0.6/1 kV PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).
	No. of conductors: Conductor cross-section: Operating voltage:	1 + 41 0.5 + 50 0.6/1 kV	TECHNOFLEKS LiYCY-Nr 0.6/1 kV and LiYCYżo-Nr 0.6/1 kV Black PVC insulation with white conductor number printed on it for identification, green-yellow protective conductor (TECHNOFLEKS LiYCYżo-Nr 0.6/1 kV).
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 18 0.5 + 16 0.6/1 kV	TECHNOFLEKS LiYCY-P 0.6/1 kV and LiYCY-P-Nr 0.6/1 kV Insulated conductors twisted in pairs. Identification colour code in accordance with DIN VDE 47100.












B2 - Multi-wire conductor signal cables for 300/500 V and 0.6/1 kV

Flexible **TECHNOFLEKS 300/500 kV** cables are intended for control, protection and monitoring systems, and power supply. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc. The cable is suitable for connecting fixed and movable equipment in wet and dry rooms.

The cables are designed to offer high flexibility combined with mechanical strength. The cable is suitable for indoor installations connecting fixed and movable equipment. Cable outer sheath is oil-resistant.

	No. of conductors: Conductor cross-section: Operating voltage:	2 + 61 0.5 + 50 300/500 V	TECHNOKONTROL YKSLY-Nr 300/500 V and YKSLYżo-Nr 300/500 V Black PVC insulation and white conductor number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 61 0.5 + 50 300/500 V	TECHNOKONTROL YKSLY 300/500 V and YKSLYżo 300/500 V PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 33 0.5 + 16 300/500 V	TECHNOKONTROL YKSLY-P 300/500 V and YKSLY-P-Nr 300/500 V Insulated conductors twisted in pairs. Identification colour code in accordance with PN-92/T-90321 (consistent with IEC 60189-2)
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 56 0.5 + 50 300/500 V	TECHNOKONTROL YKSLYekw-Nr 300/500 V YKSLYekwżo-Nr 300/500 V Overall electrostatic plastic laminated metal foil shield with a drain wire concealed under the shield, black PVC insulation with white conductor number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 56 0.5 + 50 300/500 V	TECHNOKONTROL YKSLYekw 300/500 V YKSLYekwżo 300/500 V Overall electrostatic plastic laminated metal foil shield with a drain wire concealed under the shield, PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 33 0.5 + 16 300/500 V	TECHNOKONTROL YKSLYekw-P 300/500 V YKSLYekw-P-Nr 300/500 V Paired structure cable. Identification colour code in accordance with PN-92/T-90321, consistent with IEC 60189-2 (for YKSLYekw-P 300/500 V cable), or black and brown with white pair number printed for identification (YKSLYekw-P-Nr 300/500 V cable).
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 300/500 V	TECHNOKONTROL YKSLYekpekw 300/500 V YKSLYekpekw-Nr 300/500 V Pair and overall shielded cable. Shield incorporating plastic laminated metal foil with a drain wire concealed under the shield.

<p>TECHNOKONTROL 300/500V cables with black cross-linked polyethylene (XLPE) insulation. Small mutual capacitance and higher, up to 90° C operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.</p>			
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 44 0.5 + 50 300/500 V	<p>TECHNOKONTROL YKSLXS-Nr 300/500 V YKSLXSžo-Nr 300/500 V</p> <p>Black cross-linked polyethylene (XLPE) insulation and white conductor numbers printed for identification.</p>
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 33 0.5 + 16 300/500 V	<p>TECHNOKONTROL YKSLXS-P-Nr 300/500 V</p> <p>Insulated conductors twisted in pairs.</p>
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 40 0.5 + 50 300/500 V	<p>TECHNOKONTROL YKSLXSekw-Nr 300/500 V YKSLXSekwžo-Nr 300/500 V</p> <p>Overall electrostatic plastic laminated metal foil shield with a drain wire concealed under the shield.</p>
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 30 0.5 + 16 300/500 V	<p>TECHNOKONTROL YKSLXSekw-P-Nr 300/500 V</p> <p>Paired structure cables with overall plastic laminated metal foil shield and a drain wire concealed under the shield.</p>
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 300/500 V	<p>TECHNOKONTROL YKSLXSekpek-Nr 300/500 V</p> <p>Pair and overall shielded cable. Shield incorporating plastic laminated metal foil with a drain wire concealed under the shield.</p>
<p>Flexible TECHNOKONTROL 0,6/1 kV cables are intended for control, protection and monitoring systems, and power supply. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc. The cable is suitable for connecting fixed and movable equipment in wet and dry rooms.</p>			
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 42 0.75 + 50 0.6/1 kV	<p>TECHNOKONTROL YKSLY 0.6/1 kV and YKSLYžo 0.6/1 kV</p> <p>PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).</p>
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 50 0.6/1 kV	<p>TECHNOKONTROL YKSLY-Nr 0.6/1 kV and YKSLYžo-Nr 0.6/1 kV</p> <p>Black PVC insulation with white conductor number printed on it for identification.</p>
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 0.6/1 kV	<p>TECHNOKONTROL YKSLY-P 0.6/1 kV and YKSLY-P-Nr 0.6/1 kV</p> <p>Paired structure cable. Identification colour code in accordance with PN-92/T-90321, consistent with IEC 60189-2 (TECHNOKONTROL YKSLY-P 0.6/1 kV cable), or black and brown with white pair number printed for identification (TECHNOKONTROL YKSLY-P-Nr 0.6/1 kV cable).</p>
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 50 0.6/1 kV	<p>TECHNOKONTROL YKSLYekw 0.6/1 kV and YKSLYekwžo 0.6/1 kV</p> <p>Overall electrostatic plastic laminated metal foil shield with a drain wire concealed under the shield.</p>
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 50 0.6/1 kV	<p>TECHNOKONTROL YKSLYekw-Nr 0.6/1 kV YKSLYekwžo-Nr 0,6/1 kV</p> <p>Overall electrostatic plastic laminated metal foil shield with a drain wire concealed under the shield. Black PVC insulation with white conductor number printed on it for identification.</p>
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 0.6/1 kV	<p>TECHNOKONTROL YKSLYekw-P 0.6/1 kV YKSLYekw-P-Nr 0,6/1 kV</p> <p>Paired structure cables with overall plastic laminated metal foil shield and a drain wire concealed under the shield.</p>
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 0.6/1 kV	<p>TECHNOKONTROL YKSLYekpek 0.6/1 kV YKSLYekpek-Nr 0,6/1 kV</p> <p>Pair and overall shielded cables. Plastic laminated metal foil shields with a drain wire concealed under the shield.</p>

<p>TECHNOKONTROL 0.6/1 kV signal cables with cross-linked polyethylene (XLPE) insulation are intended for control, protection and monitoring systems, and power supply. Small mutual capacitance and higher, up to 90° C operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.</p>			
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 44 0.5 + 50 0.6/1 kV	TECHNOKONTROL YKSLXS-Nr 0,6/1 kV YKSLXSžo-Nr 0,6/1 kV Black cross-linked polyethylene (XLPE) insulation and conductor numbers printed for identification.
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 0.6/1 kV	TECHNOKONTROL YKSLXS-P-Nr 0.6/1 kV Insulated conductors twisted in pairs.
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 40 0.5 + 50 0.6/1 kV	TECHNOKONTROL YKSLXSekw-Nr 0.6/1 kV YKSLXSekwžo-Nr 0,6/1 kV Overall electrostatic plastic laminated metal foil shield with a drain wire concealed under the shield.
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 0.6/1 kV	TECHNOKONTROL YKSLXSekw-P-Nr 0.6/1 kV Paired structure cables with overall plastic laminated metal foil shield and a drain wire concealed under the shield.
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 0.6/1 kV	TECHNOKONTROL YKSLXSekpek-Nr 0.6/1 kV Pair and overall shielded cables. Shield incorporating plastic laminated metal foil with a drain wire concealed under the shield.
<p>Enhanced incombustibility TECHNOKONTROL 300/500 V and 0.6/1 kV cable, with tire sheath PVC, flame retardant with increased incombustibility. The cables are intended for control, protection and monitoring systems, and power supply.</p>			
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 33 0.5 + 16 300/500 V	TECHNOKONTROL YnKSLYekw-P 300/500 V YnKSLYekw-P-Nr 300/500 V Paired structure cables with overall plastic laminated metal foil shield and a drain wire laid under the shield.
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 40 0.5 + 50 0.6/1 kV	TECHNOKONTROL YnKSLY 0,6/1 kV YnKSLYžo 0,6/1 kV PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our <i>Technical Guide</i>).
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 37 0.75 + 50 0.6/1 kV	TECHNOKONTROL YnKSLYekw 0,6/1 kV YnKSLYekwžo 0,6/1 kV Overall electrostatic plastic laminated metal foil shield with a drain wire laid under the shield.
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 24 0.5 + 16 0.6/1 kV	TECHNOKONTROL YnKSLYekw-P 0.6/1 kV YnKSLYekw-P-Nr 0,6/1 kV Paired structure cables with overall plastic laminated metal foil shield and a drain wire laid under the shield.
<p>B3 – Control and power supply flexible cables for 300/500 V</p>			
<p>Flexible control cables are intended for control, protection and monitoring systems, and power supply. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.</p>			
	No. of conductors: Conductor cross-section: Operating voltage:	4 + 12 0.50 + 50 300/500 V	YStY 300/500 V and YStYžo 300/500 V Multi-wire cable black PVC insulation with white conductor number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	3 + 8 0.75 + 50 300/500 V	YStYekw 300/500 V and YStYekwžo 300/500 V Cable core PVC inner sheath under the overall copper wire braid shield of coverage bigger than 80%.





B4 – Intrinsically safe cables


The cable is intended for intrinsically safe circuits and explosive conditions zones, designed for the operating voltage 300/500 V. Sheathing PVC is UV radiation and weather resistant, self-extinguishing and flame retardant material with increased oxygen index. The cable is oil resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. Intended for indoor and outdoor installations.







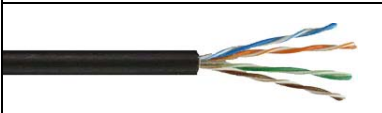




Intrinsically safe cables for 300/500 V












	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 70 300/500 V	TECHNOKONTROL IB-YSLY Multi-wire cable. Black PVC insulation with white conductor number printed on it for identification.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 50 0.5 ÷ 16 300/500 V	TECHNOKONTROL IB-YSLY-P Paired structure reduces mutual influence between signals transmitted along the cable. Identification of pairs: black and white with pair number printed on it.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 60 0.5 ÷ 70 300/500 V	TECHNOKONTROL IB-YSL(St)Y Overall electrostatic shield protects the cable against interferences from external electrical field.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 60 0.5 ÷ 16 150 V	TECHNOKONTROL IB-2YSL(St)Y High digital data transmission performance and small capacitance is achieved by polyethylene insulation.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 50 0.5 ÷ 2.5 300/500 V	TECHNOKONTROL IB-YSL(St)Y-P Paired structure reduces mutual influence between signals transmitted along the cable. Overall electrostatic shield protects cable against the interferences from external electrical field.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 30 0.5 ÷ 16 300/500 V	TECHNOKONTROL IB-YSL(St)Y PIMF Paired structure with individual shielding decreases mutual influence between signals transmitted along the cable.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 70 300/500 V	TECHNOKONTROL IB-YSLCY Overall tinned copper wire braid shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 30 0.5 ÷ 16 300/500 V	TECHNOKONTROL IB-YSLCY-P Paired structure reduces mutual influence between signals transmitted along the cable. Overall shield made of tin-plated copper wires protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.







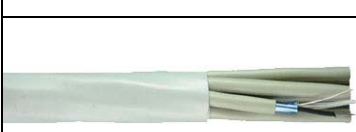

Intrinsically safe cables for 0.6/1 kV





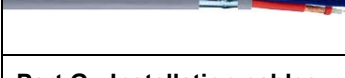




	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 70 0.6/1 kV	TECHNOKONTROL IB1-YSLY Multi-wire cable. Black PVC insulation with white conductor number printed on it for identification.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 50 0.5 ÷ 16 0.6/1 kV	TECHNOKONTROL IB1-YSLY-P Paired structure reduces mutual influence between signals transmitted along the cable. Identification of pairs: black and white with pair number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 41 0.5 ÷ 70 0.6/1 kV	TECHNOKONTROL IB1-YSL(St)Y Overall electrostatic shield protects cable route against the interferences from the external electrical field.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 50 0.5 ÷ 16 0.6/1 kV	TECHNOKONTROL IB1-YSL(St)Y-P Paired structure decreases mutual influence between signals transmitted along the cable. Overall electrostatic shield protects cable route against the interferences from the external electrical field.









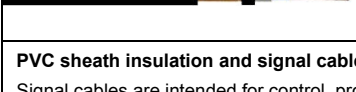

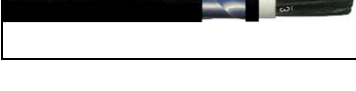
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 30 0.5 ÷ 16 0.6/1 kV	TECHNOKONTROL IB1-YSL(St)Y PIMF Paired structure with individual shielding reduces mutual influence between signals transmitted along the cable.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 41 0.5 ÷ 70 0.6/1 kV	TECHNOKONTROL IB1-YSLCY Overall tinned copper wire braid shielded protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No. of pairs: Conductor cross-section: Operating voltage:	2 ÷ 25 0.5 ÷ 16 0.6/1 kV	TECHNOKONTROL IB1-YSLCY-P Paired structure reduces mutual influence between signals transmitted along the cable. Overall tinned copper wire braid shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
B5 – Flat crane cables			
	No. of quads: Conductor cross-section: Operating voltage:	3 ÷ 5 0.75 ÷ 1 300/500 V	H05VVH6-F nx4G... The cables are intended for control and power supply systems of crane and transport devices, hoists, lifts etc. operating in dry and wet locations.
	No. of conductors: Conductor cross-section: Operating voltage:	3 ÷ 12 1.5 ÷ 10 450/750 V	H07VVH6-F nx... The cables are intended for control and power supply systems of crane and transport devices, hoists, lifts etc. operating in dry and wet locations.
B6 – Motor supply cables			
	No. of conductors: Conductor cross-section: Operating voltage:	4 1.5 ÷ 50.0 0.6/1 kV	TECHNOFLEKS 2YSLCY-J and 2YSLCYK-J The cables are intended for connecting inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.
B7, B8 – Special control and power supply cables			
Incombustible and oil-resistant cables. The cables are designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. Sheathing PVC is UV radiation and weather resistant, self-extinguishing and flame retardant material with increased oxygen index. Intended for indoor and outdoor use.			
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 36 0.5 ÷ 16 300/500 V	TECHNOKONTROL KS-Y(St)Y-Nr-O (9) 300/500 V KS-Y(St)Yżo-Nr-O (9) 300/500 V Single wire conductors cables with overall electrostatic plastic laminated metal foil shield with a drain wire laid under the shield.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 60 0.5 ÷ 70 0.6/1 kV	TECHNOKONTROL YSLY-Nr-O (9) 0.6/1 kV Multi-wire cables are intended for control, protection and monitoring systems, and power supply. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 41 0.5 ÷ 70 0.6/1 kV	TECHNOKONTROL YSLCY-Nr-O (9) 0.6/1 kV Multi-wire cables with overall tinned copper wire braided shield protected the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.




Part C - Network cables			
C1- Local area network cables (structural wiring)			
<p>UTP and FTP cables are intended for multimedia computer networks (data, sound and HDTV image transmission), including structural wiring of buildings, applied in industrial and other dedicated networks. The cable is also applied in computer networks of increased binary transfer where simultaneous transmission in both directions in all 4 symmetrical circuits is used (full duplex, Gigabit Ethernet method).</p>			
	No. of pairs: Conductor diameter: Operating voltage:	4 0.5 150 V	UTP cat.5e 4x2x0.5 mm - 155 MHz Non-shielded cables used for networks not sensitive to electromagnetic interferences.
	No. of pairs: Conductor diameter: Operating voltage:	4 0.57 150 V	UTP cat.6 4x2x0.57 mm - 250 MHz Cables with enhanced binary transfer, used with Gigabit Ethernet connection method.
	No. of pairs: Conductor diameter: Operating voltage:	4 0.5 150 V	FTP cat.5e 4x2x0,5 mm - 155 MHz Shielded cables used for networks sensitive to electromagnetic interferences.
	No. of pairs: Conductor cross-section: Operating voltage:	4 0.14 150 V	FTP cat.5e 4x2x0,14c mm² Shielded cables with flexible conductors used as the connection (patch) cables for networks sensitive to electromagnetic interferences.
	No. of pairs: Conductor cross-section: Operating voltage:	4 0.14 150 V	FTP-C cat.5e 4x2x0,14c mm² Cables with additional braid shield, used as the connection (patch) cables for networks sensitive to electromagnetic interferences.
	No. of pairs: Conductor cross-section: Operating voltage:	4 0.14 150 V	FTP-C-11Y cat.5e 4x2x0,14c mm² Cables with additional braid shield, used as the patch cables for networks sensitive to electromagnetic interferences. Soft polyurethane cable sheath enhances mechanical strength. Intended for indoor and outdoor use.
C2- Local area network cables			
<p>TECHNODATA LAN cables are intended for multimedia computer networks, industrial and other dedicated networks. The cables are suitable for outdoor installations, laying in ducts and direct earth burial. Plastic laminated aluminium tape, longitudinally applied over the cable core, welded with an external polyethylene sheath. The cable core is filled with petro-gel to protect the cable against moisture penetration along the cable. Suitable for networks sensitive to electromagnetic interferences.</p>			
	No. of pairs: Conductor diameter: Operating voltage:	4 0.5 150 V	TECHNODATA LAN-UT11 cat.5e 4x2x0.5 mm Non-shielded cables, without moisture barrier, suitable for networks not sensitive to electromagnetic interferences. Intended for outdoor use.
	No. of pairs: Conductor diameter: Operating voltage:	4 0.5 150 V	TECHNODATA LAN-T11B cat.5e 4x2x0.5 mm Shielded cables used for networks sensitive to electromagnetic interferences.
	No. of pairs: Conductor diameter: Operating voltage:	4 0.8 150 V	TECHNODATA LAN-T15 cat.5 4x2x0.8 mm Shielded cables used for networks sensitive to electromagnetic interferences.
	No. of pairs: Conductor cross-section: Operating voltage:	2 0.75 150 V	TECHNODATA LAN-T1 2x2x0.75 mm² - 10 MHz Shielded cables with flexible conductors suitable for industrial and dedicated networks sensitive to electromagnetic interferences (signal frequency up to 10 MHz).
	No. of pairs: Conductor cross-section: Operating voltage:	3 0.75 150 V	TECHNODATA LAN-T2 3x2x0.75 mm² - 10 MHz Shielded cables with flexible conductors suitable for industrial and dedicated networks sensitive to electromagnetic interferences (signal frequency up to 10 MHz).

	No. of pairs: Conductor cross-section: Operating voltage:	3 1.0 150 V	TECHNODATA LAN-T14 3x2x1.0 mm² - 10 MHz Shielded cables with flexible conductors suitable for industrial and dedicated networks sensitive to electromagnetic interferences (signal frequency up to 10 MHz).
	No. of pairs: Conductor cross-section: Operating voltage:	1 0.34 150 V	TECHNODATA LAN-T10 cat.5 1x2x0.34c mm² Shielded cables used for networks very sensitive to electromagnetic interferences.
Part D - Coaxial (concentric) cables - special			
	No. of conductors: Conductor cross-section: Operating voltage:	2 + WD 0.5 + 0.75 300/300 V	PS-Y-29 Hybrid cables intended for operation in ITV networks. Cables are equipped with concentric WD 75-0.59/3.7 conductor for visual signal transmission and a group of insulated conductors for camera power supply and control signals. Intended for indoor and outdoor use.
Part E – Telecommunication cables			
E1 – Telecommunication installation (station) cables			
	No. of pairs: Conductor diameter: Operating voltage:	1 + 30 0.5 + 1.0 150 V	YTKSY Station cables are intended for interconnections between switching and transmission equipment, data processing devices etc.
	No. of pairs: Conductor diameter: Operating voltage:	1 + 30 0.5 + 1.0 150 V	YTKSYekw Shielded station cables are intended for interconnections between switching and station equipment, data processing devices etc.
	No. of pairs: Conductor diameter: Operating voltage:	2 + 12 0.5 + 0.8 150 V	YTKSYekp Overall shield station cables with individually shielded pairs are intended for interconnections between switching and transmission equipment, data processing devices etc.
E2 – Flexible telecommunication cables			
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 7 0.22 and 0.75 150 V	YTLY Flexible telecommunication cables are intended for fixed connections inside the telecommunication devices and satellite dish control.
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 8 0.12 150 V	YTLYp Flat and flexible telecommunication cables are intended for connections inside the telecommunication and electronic devices (TELEKOM system).
E3 – Fire alarm cables - CNBOP Certificate of Conformity			
	No. of pairs: Conductor diameter: Operating voltage:	1 + 4 0.8+ 1.05 150 V	YnTKSY, YnTKSYekw, YnTKSXekw The cables are intended for fire alarm and fire automatic control systems also for data processing systems and for analogue or digital data transmission, and in industrial electronics applications.
E4 – Alarm devices and intercom cables			
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 10 0.22 150 V	SCYY Cables intended for connection of sensors, detectors, receptors and other signalling devices, in control loops of internal alarm systems. Seven-wire tinned conductors.
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 10 0.22 150 V	SCYwYw Heat-resistant cables intended for connection of sensors, detectors, receptors and other signalling devices, in control loops of internal alarm systems. Seven-wire tinned conductors.

	No. of conductors: Conductor diameter: Operating voltage:	2 ÷ 30 0.5 150 V	YTDY Cables intended for low-voltage systems, remote control, signal transmission and data transmission systems. Also suitable for telephony, alarm device systems and interphones, indoors. Solid conductors.
	No. of conductors: Conductor diameter: Operating voltage:	2 ÷ 30 0.5 150 V	YTDYekw Shielded cables intended for low-voltage systems, remote control, signal transmission and data transmission systems. Also suitable for telephony, alarm device systems and interphones, indoors. Solid conductors.
	No. of pairs: Conductor cross-section: Operating voltage:	2 0.50 ÷ 0.75 150 V	P-CAB 4/TP/50 and P-CAB 4/TP/75 Cables for supervision and monitoring systems with individually shielded pairs, intended for BUS type systems. Also suitable for access control and CCTV (ITV) systems.
E5 – Alarm and signal direct burial cables			
	No. of pairs: Conductor diameter: Operating voltage:	1 ÷ 10 0.5 ÷ 0.8 150 V	TECHNOINSTAL XzKAXwekw Cables are intended for alarm and signalling systems, sensitive to electromagnetic interferences. Plastic laminated aluminium tape, longitudinally applied over the cable core, welded with an external polyethylene sheath. The cable core is filled with petro-gel to protect the cable against moisture penetration along the cable.
E6 – Digital data transmission telecommunications cables			
	No. of pairs: Conductor diameter: Operating voltage:	8 0.6 150 V	S-2Y(St)CY 8x2x0,6c mm 120Ω Shielded cable intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications. Cable provides transmission in the following systems: ISDN, PCM and others.
	No. of pairs: Conductor diameter: Operating voltage:	8 and 12 0.4 150 V	J-2Y(St)(St)Y 120 Ω Pair shielded cables, intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications. Cables provide transmission in the following systems: ISDN, PCM, RS 232, RS 422, RS 423, Ethernet 10baseT 10 Mb/s, Token Ring 4/16 Mb/s.
	No. of pairs: Conductor diameter: Operating voltage:	1 or 8 0.4 150 V	YnTKSXekp 1x2x0.4c mm and Yn-YTKSXekp 8x(1x2x0.4c) mm Pair shielded telecommunications cables, intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission. Cables provide transmission in the following systems: ISDN, PCM and others.
Part F - Audio/video cables			
F1 - Microphone cables			
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 7 0.05 ÷ 0.12 150 V	YPMX, YPMXekw, YPMXekz, YPMXekz(p), YPMY, YPMYekw, YPMYekz Microphone cables intended for connecting movable electroacoustics, electronics and monitoring devices.




F2 – Speaker cables			
	No. of conductors: Conductor cross-section: Operating voltage:	2 0.35 ÷ 10.0 300 V	TLYp and TLgYp Speaker cables (very flexible) for connecting low frequency power amplifiers and column loudspeakers. Oxygen-free copper OFC version available.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 4 2.5 ÷ 10.0 300 V	IPG Speaker cables (very flexible) for connecting low frequency power amplifiers and column loudspeakers.
F4 – Professional audio/video cables			
	No. of conductors: Conductor diameter:	5 0.45	PPAV-01 5x0,45/2,0 75Ω Professional audio-video cable intended for connection of computer video signal (RGB, vertical and horizontal sync signal) via interfaces and switches, for monitor displays and projectors.
	No. of conductors: Conductor cross-section:	3 and 4 0.10 + 0.22	PPAV-05 3x0,45/2,0+4x0,22c Professional audio-video cable intended for connection of monitor displays, TV cameras and TVs.
	No. of conductors: Conductor diameter:	3 0.45	PPAV-06 3x0,45/2,0 Professional audio-video cable intended for connection of computer video signal (RGB signal) via interfaces and switches, for monitor displays and projectors.
Part G - Installation cables			
G1 – Flexible telecommunication installation cables			
	No. of conductors: Conductor cross-section: Operating voltage:	1 0.055 ÷ 0.50 150 V	TLY Single flexible telecommunications installation cables intended for connection of fixed and movable telecommunications devices, computer systems, monitoring technology and industrial electronics systems. Versions with tinned copper or bare copper conductors available.
G2 – Power installation cables			
	No. of conductors: Conductor cross-section: Operating voltage:	1 0.35 ÷ 50 300/500 V 450/750 V	LgY 500 V; LgY 750 V LgYc 500 V; LgYc 750 V Single flexible power installation cables intended for fixed power devices. Suitable for control boxes, audio-video devices, electronics etc. Suitable for lighting devices and systems. Heat resistant (c) version available.
	No. of conductors: Conductor cross-section: Operating voltage:	1 0.5 ÷ 70 300/ 500 V 450/750 V	LY 500 V; LY 750 V LYc 500 V; LYc 750 V Single power installation cables intended for fixed power devices. Suitable for control boxes, audio-video devices, electronics etc. Suitable for lighting devices and systems. Heat-resistant version (c) available.
G3 – Ribbon cables			
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 24 0.124 ÷ 1.5 150 and 300 V	TLWY Ribbon cables intended for connecting fixed telecommunication devices and electronic control systems.

Part I - Power and signal cables			
Power cables intended for electric power transmission. Suitable for power devices in industrial plants, power plants and local supply networks. Intended for indoor and outdoor use, and direct burial.			
PVX sheath and insulation power cables			
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 5 1.5 ÷ 630 0.6/1 kV	YKY 0,6/1 kV, YKYžo 0,6/1 kV NYY-O 0.6/1 kV; NYY-J 0.6/1 kV equivalent
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 5 1.5 ÷ 50 0.6/1 kV	YKYFoy 0.6/1 kV, YKYFoyžo 0.6/1 kV Galvanized steel wire armour offers enhanced protection against mechanical damages and rodent attack as well as transfers axial loads. The cable have shielding properties.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 5 1.5 ÷ 50 0.6/1 kV	YKYFty 0.6/1 kV, YKYFtyžo 0.6/1 kV Steel tape armour offers enhanced protection against mechanical damages and rodent attack. The cable have shielding properties.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 5 1.5 ÷ 50 0.6/1 kV	YKYektmy 0.6/1 kV, YKYektmyžo 0.6/1 kV Overall copper tape shield offers protection against external electromagnetic fields and reduces the emission of interferences to the environment.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 5 1.5 ÷ 25 0.6/1 kV	YKYekw 0.6/1 kV, YKYekwžo 0.6/1 kV Overall electrostatic shield protects cable route against the interferences from the external electrical field and reduces the emission of interferences to the environment.
PVC sheath cross-linked polyethylene insulation and power cables			
Improved electrical properties, small dimensions and weight compared to the cables with PVC insulation is achieved using cross-linked polyethylene insulation.			
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 5 1.5 ÷ 630 0.6/1 kV	YKXS 0,6/1 kV, YKXSžo 0,6/1 kV N2XY-O 0.6/1 kV; N2XY-J 0.6/1 kV equivalent
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 5 1.5 ÷ 50 0.6/1 kV	YKXSfoy 0.6/1 kV, YKXSfoyžo 0.6/1 kV Galvanized steel wire armour offers enhanced protection against mechanical damages and rodent attack as well as transfers axial loads. The cable have shielding properties.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 5 1.5 ÷ 50 0.6/1 kV	YKXSfty 0.6/1 kV, YKXSftyžo 0.6/1 kV Steel tape armour offers enhanced protection against mechanical damages and rodent attack. The cable have shielding properties.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 5 1.5 ÷ 50 0.6/1 kV	YKXSektmy 0.6/1 kV, YKXSektmyžo 0.6/1 kV Overall copper tape shield offers protection against external electromagnetic fields and reduces the emission of interferences to the environment.
PVC sheath insulation and signal cables.			
Signal cables are intended for control, protection and monitoring systems, and power supply.			
	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YKSY-Nr 0.6/1 kV, YKSYžo-Nr 0.6/1 kV Identification colour code: black with white pair number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YKSYfty-Nr 0.6/1 kV, YKSYftyžo-Nr 0.6/1 kV Steel tape armour offers enhanced protection against mechanical damages and rodent attack. The cable have shielding properties.



	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YKSYektmy-Nr 0.6/1 kV, YKSYektmyżo-Nr 0.6/1 kV Copper tape spiral braid shield offers protection against external electromagnetic fields and reduces emission of interferences to the environment.
	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YKSYekw-Nr 0.6/1 kV, YKSYekwżo-Nr 0.6/1 kV Overall electrostatic shield protects cable route against the interferences from the external electrical field and reduces the emission of interferences to the environment.
	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YnKSYekw-Nr 0.6/1 kV, YnKSYekwżo-Nr 0.6/1 kV PVC special fire cable sheath, self-extinguishing with increased incombustibility.

Cross-linked polyethylene insulation and PVC sheath signal cables.

Improved electrical properties, small dimensions and weight compared to the cables with PVC insulation is achieved using cross-linked polyethylene insulation.

	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YKSXS-Nr 0.6/1 kV, YKSXSżo-Nr 0.6/1 kV Identification colour code: black with white pair number printed on it for identification.
	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YKSXSfty-Nr 0.6/1 kV, YKSXSftyżo-Nr 0.6/1 kV Steel tape armour offers enhanced protection against mechanical damages and rodent attack. The cable have shielding properties.
	No. of conductors: Conductor cross-section: Operating voltage:	7 ÷ 61 1 ÷ 16 0.6/1 kV	YKSXSektmy-Nr 0.6/1 kV, YKSXSektmyżo-Nr 0.6/1 kV Overall copper tape shield offers protection against external electromagnetic fields and reduces the emission of interferences to the environment.

NYY type power cables

	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 5 1.5 ÷ 630 0.6/1 kV	NYO 0,6/1 kV, NYJ 0,6/1 kV Cables with filling sheath at the cable core.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 40 1.5 ÷ 50 0.6/1 kV	NYCY 0,6/1 kV Bare copper wire and opposite copper tape spiral coaxial conductor cables.

Part J - Mining signal cables – EMAG Certificate

Cables intended for use in control, monitoring, metering, signalling and communication systems in mining plants.


Cables may be used:

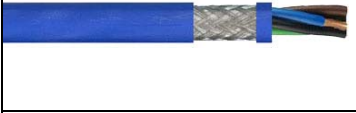
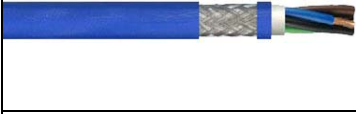





- strip mines and Frasch mines outside the explosive conditions zones,
- underground mining plants - methane and non-methane fields for locations with 'a' class explosion hazard,
- underground mining plants - excavations with A class coal dust explosion hazard,
- intrinsically safe circuits in strip mines and Frasch mines in explosion hazard zones,
- intrinsically safe circuits, underground mining plants, locations with "a", "b" or "c" class of explosion hazard.

Cables are not suitable for power supply systems.

Single mining-signal cables.



Cables are certified with **Technical Certificate no. 06/09** regarding underground mining plants and **Certificate no. 06/09/A1** and **06/09/A2** issued by **Zakład Atestacji EMAG**.








	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YnKGSY Multi-wire cables.
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	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YnKGSYkono Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YKGSYkonoy Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YKGSYekty Overall tape shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YKGSYFoy Steel wire armour offers protection against mechanical damages as well as transfers axial loads.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YnHKGSY Individually shielded wire structure substantially reduces mutual influence between signals transmitted along the cable.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YnHKGSYkono Individually shielded wire structure substantially reduces mutual influence between signals transmitted along the cable. Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 75 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YHKGSYFoy Individually shielded wire structure substantially reduces mutual influence between signals transmitted along the cable. Steel wire armour offers protection against mechanical damages as well as transfers axial loads.

Flexible mining-signal cables.



Cables are certified with **Technical Certificate no. 05/53** regarding underground mining plants and **Certificate no. 05/53/A1/1** and **05/53/A2/1** issued by **Zakład Atestacji EMAG**.



	No. of conductors: Conductor cross-section: Operating voltage:	2 ÷ 61 1.0 ÷ 4 150/250 V 300/500 V 0.6/1 kV	YnKGSLY
	No of pairs/threes: Conductor cross-section: Operating voltage:	2 ÷ 50 0.75 ÷ 2.5 300/300 V 300/500 V 0.6/1 kV	YnKGSLYżo-P; YnKGSLYżo-T Paired or tripled structure reduces mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.






	No. of conductors: Conductor cross-section: Operating voltage:	2 + 61 1.0 + 4 150/250 V 300/500 V 0.6/1 kV	YnKGSLYkono Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No of pairs/threes: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 2.5 300/300 V 300/500 V 0.6/1 kV	YnKGSLYkonożo-P YnKGSLYkonożo-T Paired or tripled structure reduces mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference. Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No of pairs/threes: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 2.5 300/300 V 300/500 V 0.6/1 kV	YKGSLYkonoynożo-P YKGSLYkonoynożo-T Paired or tripled structure reduces mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference. Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable. External sheath enhances the mechanical strength of a cable.
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 61 1.0 + 4 150/250 V 300/500 V 0.6/1 kV	YnHKGSLY Individually shielded wire structure substantially reduces mutual influence between signals transmitted along the cable.
	No of pairs/threes: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 2.5 300/300 V 300/500 V 0.6/1 kV	YnHKGSLYżo-P; YnHKGSLYżo-T Shielded paired or tripled structure substantially reduces mutual influence between signals transmitted along the cable.
	No of pairs/threes: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 2.5 300/300 V 300/500 V 0.6/1 kV	YnHKGSLYkonożo-P YnHKGSLYkonożo-T Shielded paired or tripled structure substantially reduces mutual influence between signals transmitted along the cable. Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.
	No of pairs/threes: Conductor cross-section: Operating voltage:	2 + 50 0.75 + 2.5 300/300 V 300/500 V 0.6/1 kV	YHKGSLYkonoynożo-P YHKGSLYkonoynożo-T Shielded paired or tripled structure substantially reduces mutual influence between signals transmitted along the cable. Overall shield protects the cable against external electromagnetic interferences and prevents the emission of interferences outside the cable.






Part L – Halogen-free cables

L1 – Halogen-free cables for electronic and automatic systems

	No. of conductors: Conductor cross-section: Operating voltage:	2 + 44 0.5 + 50 300/300 V	TECHNOTRONIK LIHH The cables are intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications. The cables are suitable for connecting fixed and movable equipment inside railway rolling stock, underground, trams, and buildings.
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 44 0.5 + 50 300/300 V	TECHNOTRONIK LIHCH Tinned copper wire braid shield cables of coverage bigger than 80% are intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications. The cables are suitable for connecting fixed and movable equipment inside railway rolling stock, underground, trams, and buildings.

L2 – Digital transmission cables			
	No. of pairs: Conductor cross-section: Operating voltage:	2 + 48 0.5+ 1 600 V	RD-H(St)H n x 2 x 0,5 mm² Bd Unit type cables intended for analogue or digital data transmission up to 10 kHz. The cable is also suitable for Maxi-Termi-Point connection method.
L3 – Structural cables			
	No. of pairs: Conductor diameter: Operating voltage:	4 0.5 150 V	UTP-H cat.5e 4x2x0.5 mm – 155 MHz Halogen-free shielded cables are suitable for buildings with higher fire requirements. The cables are flame retardant, their smoke emission is low and released gases are not corrosive.

L5 – Halogen-free cables for fire systems – CNBOP Certificate			
	No. of pairs: Conductor diameter: Operating voltage:	1 + 11 0.5 ÷ 1.4 150 V	HTKSH, HTKSHekw Halogen-free cables intended for interconnections between switching and transmission equipment, and for analogue or digital data transmission in industrial electronics and automatics applications for buildings with strict fire requirements, including fire alarm and fire automatic control systems. The cables are certified by Research and Development Centre for Fire Protection (Centrum Naukowo- Badawcze Ochrony Przeciwpożarowej) in Józefów – Certificate of Conformity No. 2172/2006.
L6 – Telecommunication flexible installation cables			
	No. of conductors: Conductor cross-section: Operating voltage:	1 0.5 ÷ 50 300/300 V	LiH halogen-free insulation installation cables intended for control and instrumentation circuits, for signal, monitoring and computer systems and for industrial electronic applications.
L7 – Speaker cables			
	No. of conductors: Conductor cross-section: Operating voltage:	2 + 4 2.5 ÷ 10.0 300 V	IPG-HF Halogen-free insulation speaker cables for connecting low frequency power amplifiers and column loudspeakers.
L9 - Power and signal cables with cross-linked polyethylene insulation and halogen-free sheath.			
	No. of conductors: Conductor cross-section: Operating voltage:	7 + 61 1.0 ÷ 16 0.6/1 kV	XnKSXS-Nr 0.6/1 kV and XnKSXSzo-Nr 0.6/1 kV Signal cables are intended for power control, protection and monitoring systems, and power supply systems. Suitable for fixed connections of industrial devices, production lines, air-conditioners operating in dry and wet locations, outdoors and cable ducts installation, and for direct earth burial.
	No. of conductors: Conductor cross-section: Operating voltage:	1 + 40 1.5 ÷ 50 0.6/1 kV	N2XH 0,6/1 kV and N2XH-J 0,6/1 kV Cables intended for electric energy transmission and for power control, protection and monitoring systems. Used for fixed connections of industrial devices, production lines, air-conditioners operating in dry and wet locations and outdoors installation. Cables may be placed in concrete. With additional protection, cables may be installed in water and directly earth buried.

Part M - Safety cables (fire resistant with functions maintaining)			
M1 – Wiring			
	No. of pairs: Conductor diameter: Operating voltage:	1 ÷ 2 0.8 ÷ 2.3 240 V	HTKSH PH90 and HTKSHekw PH90 Fire-resistant halogen-free cables intended for fixed connections of alarm, signalling, transmission and DSO systems etc. and for analogue or digital data transmission in industrial electronics and automatics applications for buildings with strict fire requirements, including fire alarm and fire automatic control systems. The cables are certified by Research and Development Centre for Fire Protection (Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej) in Józefów – Certificate of Conformity No. 2329/2006.
M2 – Power cables			
<p>Fire-resistant power cables with halogen-free insulation and sheath, intended for fire devices, operating in case of a fire (e.g. for supplying water pumps, smoke removal fans).</p> <p>Suitable for locations with increased fire requirements, and where higher safety for human beings and expensive electronic equipment is required. The cables maintain electrical functions for specific time, i.e. provide electric power supply to the devices, whose operation is required in case of a fire or extinguishing process. The cables are flame retardant, smoke emission is low and released gases are not-toxic and not-corrosive.</p> <p>The cables are certified by Research and Development Centre for Fire Protection (Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej) in Józefów – Certificate of Conformity No. 2412/2007.</p>			
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 12 1.5 ÷ 300 0.6/1 kV	NHXH FE180 PH30/E30 0.6/1 kV and NHXH-J FE180 PH30/E30 The cables maintain installation functions for 30 minutes.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 12 1.5 ÷ 300 0.6/1 kV	NHXH FE180 PH90/E90 0.6/1 kV and NHXH-J FE180 PH90/E90 The cables maintain installation functions for 90 minutes.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 12 1.5 ÷ 50 0.6/1 kV	NHXCH FE180 PH30/E30 0,6/1 kV The cables with concentric protective conductor maintain installation functions for 30 minutes.
	No. of conductors: Conductor cross-section: Operating voltage:	1 ÷ 12 1.5 ÷ 50 0.6/1 kV	NHXCH FE180 PH90/E90 0,6/1 kV The cables with concentric protective conductor maintain installation functions for 90 minutes.