

S-2Y(St)CY 8x2x0.6c mm 120Ω

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DATA TRANSMISSION CABLEOperating voltage
max 150 VTest voltage
1,5 kVTemp. range
fixed installation
from -30°C to +80°CTemp. range
during installation
from -5°C to +50°CBending radius
15xDFlame retardant
PN-EN 60332-1-2Indoor
applicationElectromagnetic
compatibility**APPLICATIONS**

S-2Y(St)CY 8x2x0.6c mm 120 Ω is an overall 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.

Cables provide data transmission in the following systems: ISDN, PCM and others.

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 and highly effective collective shield against external electromagnetic interferences.

The cables are suitable for fixed indoor installations.

CONSTRUCTION

- annealed tin-plated copper single wire round conductors of diameter 0.6 mm,
- polyethylene (PE) insulation - identification colour code according to PN-92/T-90321,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- collective shield, incorporating aluminium-polyester tape and 0.6 mm annealed tinned copper drain wire under a tinned copper wire braid shield of coverage bigger than 80%,
- PVC cable sheath, grey, other colours also available.

CHARACTERISTICS

Characteristic impedance	120 ± 15 Ω	Attenuation loss, max at frequency [MHz]:	
Mutual capacitance at 1 kHz	45 ± 5 nF/km	1	1.3 dB/100 m
Insulation resistance, minimum	10 GΩ·km	2	1.7 dB/100 m
Operating voltage	150 V	Operating temperature range	
Voltage test	1500 V rms	for fixed installation	from - 30 to + 80°C
DC loop resistance at 20°C, maximum	130 Ω/km	for movable installation	from - 5 to + 50°C
		Minimum bending radius	15 x cable diameter
		Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	DT

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of pairs (x 2) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
1976 001	8 x 2 x 0,6c	10.1	82.6	140

Other diameters and pair counts available on request.

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