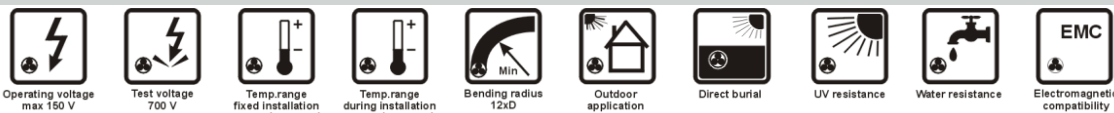


TECHNODATA TWIN-120 1x2x0.5 mm²

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LOCAL AREA NETWORK CABLES**APPLICATIONS**

TECHNODATA TWIN-120 1x2x0.5 mm² cable is intended for industrial and other dedicated networks sensitive to electromagnetic interferences.

Moisture barrier is made of plastic laminated aluminium tape longitudinally applied over a cable core and bonded to polyethylene (PE) cable sheath.

Sheathing polyethylene (PE) is halogen free and UV radiation and weather resistant, however, it is not self-extinguishing and flame retardant.

The cable is suitable for outdoor installations, laying in ducts and direct earth burial.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires, cross-section 0.5mm²,
- polyethylene (PE) insulation coloured: natural/blue,
- insulated conductors twisted into pair,
- polyethylene (PE) inner sheath,
- moisture barrier and cable shielding made of a plastic laminated aluminium tape longitudinally applied over the inner sheath,
- black polyethylene (PE) cable sheath.

TECHNODATA TWIN-120 1x2x0.5 mm²

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CHARACTERISTICS

Characteristic impedance	120 ± 15 Ω	Return loss, minimum f=1÷10 MHz - min.	18 dB
Mutual capacitance at 1 kHz, approximate	45 nF/km	DC conductor resistance at 20°C, maximum	39 Ω/km
Capacitance unbalance to ground at 1 kHz, max.	1600 pF/km	Resistance unbalance of conductors, max.	3 %
Insulation resistance, minimum	150 MΩ·km	Operating temperature range during operation	from - 40 to + 70°C
Operating voltage	150 V	during installation	from -10 to + 50°C
Voltage test	700 V rms	Minimum bending radius	12 x cable diameter
		Reference standards	IEEE 802.3

Frequency [MHz]	Attenuation loss, maximum [dB/100m]
0.772	0.85
1	0.96
2	1.4
4	1.9
6	2.3
8	2.7
10	3.1

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

Product No.	Product symbol	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm ²	mm	kg/km	kg/km
0250 003	TWIN-120	1 x 2 x 0,5	10.5	9.8	101

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.