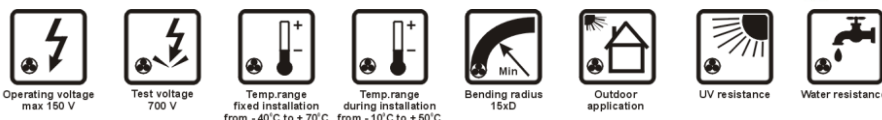


TECHNODATA LAN-UT11 kat.5e 4x2x0,5 mm

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LOCAL AREA NETWORK CABLES**APPLICATIONS**

TECHNODATA LAN-UT11 kat.5e 4x2x0,5 mm cables are intended for multimedia computer networks (data, sound and HDTV transmission), applied in industrial and other dedicated networks not sensitive to electromagnetic interferences.

The cable core is filled with petro-gel to protect the cable against moisture penetration along the cable.

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

The cables are suitable for outdoor installations.

CONSTRUCTION

- annealed copper single wire conductors of diameter 0.51 mm, 24 AWG,
- polyethylene (PE) insulation coloured: white-blue and blue, white-orange and orange, white-green and green, white-brown and brown,
- insulated conductors twisted into pairs,
- pairs laid-up into a cable core,
- cable core filled-up with petro-gel and wrapped in a polyester tape,
- black polyethylene (PE) cable sheath.

AVAILABLE UPON REQUEST

TECHNODATA LAN-UT11n kat.5e 4x2x0,5 mm - cable intended for suspension on poles. The cable is integrated with a steel rope by an 8 shape polyethylene (PE) common sheath.

TECHNODATA LAN-UT11 kat.5e 4x2x0,5 mm

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CHARACTERISTICS

Characteristic impedance	100 ± 15 Ω	Return loss, minimum at f=20÷100 MHz	23-10lg(f/20)dB
Mutual capacitance of any pair at 1 kHz, approximate	50 nF/km	DC loop resistance at 20°C, maximum	188 Ω/km
Capacitance unbalance of any pair to ground at 1 kHz, max.	1600 pF/km	Resistance unbalance of any pair of conductors, max.	3 %
Insulation resistance, minimum	5 GΩ·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	15 x cable diameter
Velocity of propagation	65 %	Reference standards	PN-EN 50288-3-1, IEC 61156-1 ISO/IEC 11801, TIA/EIA 568 A
Return loss, minimum at f=1÷20 MHz	23 dB		

Frequency MHz	Attenuation loss, maximum dB/100m	Near end cross-talk for cable length ≥ 100 m minimum dB
1	2.1	62
4	4.3	53
8	5.9	48
10	6.6	47
16	8.2	44
20	9.2	42
25	10.5	41
31.25	11.8	39
62.50	17.1	35
100	22.0	32

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

Product No.	Cable type	Number of pairs (x 2) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Product No.	Cable type	Number of pairs (x 2) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm	mm	kg/km	kg/km			mm	mm	kg/km	kg/km
0992 001	LAN-UT11	4 x 2 x 0,5	6.1	15.7	40.0	0992 002	LAN-UT11n	4 x 2 x 0,5	6.3x12.0	15.7	82.0

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