



Application

installation cable, data transmission cable, control and connecting cable in telecommunication and IT-systems as well as in measurement and control technology for lossless data and signal transmission. Suitable for use in dry and humid rooms, on-wall and in-wall laying and outdoor use. No laying underground.

Special features

- shielded by aluminium foil-clad pairs
- stranded to bundles (Bd)
- largely resistant to acids, bases and usual oils
- free from lacquer damaging substances and silicone (during production)
- also available: JE-Y(St)Y Bd EB with blue outer sheath for self-protective facilities

Remarks

- conform to RoHS
- conform to 2006/95/EC-Guideline CE
- installation cables are not designed for high voltage purposes and are not suitable for laying underground
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

Structure & Specifications

conductor material	bare copper strand
conductor class	strand-Ø: 0,8 mm (0,5 mm ²)
core insulation	PVC
core identification	VDE 0815
stranding	pairs stranded to bundles
overall shield	plastic-clad aluminium foil with drain wire 0.8 mm
outer sheath	PVC
sheath colour	grey, RAL 7032
rated voltage	225 V
testing voltage	core/core: 500 V; core/shield: 2 kV
conductor resistance	loop: max. 73,2 Ω / km
insulation resistance	min 100 MΩ x km
current carrying capacity	acc. to DIN VDE, s. Techn. Guidelines
capacity	max. 100 nF/km
inductivity	ca. 0,65 mH/km
min. bending radius fixed	7,5 x d
min. bending radius moved	10 x d
operat. temp. fixed min/max	-30 °C / +70 °C
operat. temp. moved min/max	- 5 °C / +50 °C
burning behavior	acc. to DIN VDE 0472 part 804 test B and IEC 332-1
standard	acc. to DIN VDE 0815

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dimension n x 2 x mm dimension n x 2 x mm	outer Ø mm outer Ø mm	copper weight kg/km copper weight kg/km	weight kg/km weight kg/km
2 X 2 X 0,8	6,0	25,0	60,0
4 X 2 X 0,8	8,5	45,0	96,0
8 X 2 X 0,8	11,0	85,0	158,0
12 X 2 X 0,8	13,0	126,0	225,0

dimension n x 2 x mm dimension n x 2 x mm	outer Ø mm outer Ø mm	copper weight kg/km copper weight kg/km	weight kg/km weight kg/km
16 X 2 X 0,8	14,5	166,0	290,0
20 X 2 X 0,8	16,0	206,0	350,0
40 X 2 X 0,8	22,0	407,0	660,0