



USE OF CABLE

for transmitting of digital and analog signals for all ICT network applications at frequencies up to 600/1000/1200 resp. 1500 MHz. Main use in/on buildings with high terminal density, such as in office, administration, research & development buildings in the tertiary sector. Patch cables are designed for cabling in the workplace area for device connection or as switchboard cables in patch panels.



SPECIAL FEATURES

- suits to the requirements of: EN 50173, ISO/IEC 11801, TIA / EIA 568, TSB36, EN 50288, IEC 61156-5
- for use in LANs like IEEE 802.3: 10/100/1000 Base-T, 10GBase-T; IEEE 802.5: FDDI, ISDN, ATM; cable sharing; Multimedia
- suitable for transfer of Power over Ethernet (PoE) / PoE +
- LSZH: halogen-free, flame retardant, low smoke density (LowSmokeZeroHalogen)
- PE: UV-resistant, for outdoor use & direct burial; (L)PE add. water proof
- Note: S/FTP = STP/S* *old description

REMARKS

- conform to RoHS // conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- acc. to standards ISO/IEC 11801 resp. EN 50173 the cable length should not exceed a length of 100 m (90 m cable duct + 10 m workplace) in tertiary area (horizontal area, floor)
- further types and special types upon request

PRODUCT INFORMATION

Conductor material:	Bare copper
Conductor class:	Single core
Core insulation:	SFS-PE
Core identification:	Whbu-bu, whog-og, whgn-gn, whbn-bn (resp. wh-bu, wh-og, wh-gn, wh-bn - at FTP types)
Stranding:	Cores twisted to pair
Shield:	S/FTP: copper braid tinned as overall shield and plastic clad aluminium foil as pair shield
Outer sheath:	Halogenfree special compound
Sheath colour:	PE: black; LSZH-Patch: grey; LSZH 1000: orange, LSZH 1200...1500: yellow
Loop resistance:	AWG22: max. 12 Ω/100 m; AWG23: max. 15 Ω/100 m; AWG26: max. 29 Ω/100 m
Capacity:	Nom. 45 nF/km
Characteristic impedance:	100 Ω ± 15% at 100 MHz
Min. bending radius fixed:	4 x d; PE: 5 x d
Min. bending radius moved:	8 x d; PE: 10 x d
Operat. temp. fixed min/max:	-20 °C / + 60 °C; PE: -40 °C / + 70 °C
Operat. temp. moved min/max:	0 °C / + 50 °C; PE: -15 °C / + 50 °C (during installation)
Halogen free:	Acc. to IEC 60754-2
Smoke density:	Acc. to IEC 61034
Corrodibility:	LSZH: acc. to EN 50267-2-2
Burning behavior:	LSZH: flame-retardant and self-extinguishing acc. to IEC 60332-1-2 and IEC 60332-3-24
Standard:	EN 50173, ISO/IEC 11801, TIA/EIA 568, TSB36, EN 50288, IEC 61156-5, PoE: IEEE 802.3af and 802.3at for AWG23 & AWG22

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2002484	4 X 2 X AWG 26/7	6,2	22,00	41,00	grey	V1: Cat.7 - 600: LSZH - Patchkabel / patch cable
2007207	4 X 2 X AWG 23/1	7,6	34,00	60,00	orange	V2: Cat.7A - 1000: LSZH - für feste Verlegungl / fixed installation
2001479	2 X (4 X 2 X AWG 23/1)	7,6 X 15,2	68,00	120,00	orange	V2: Cat.7A - 1000: LSZH - für feste Verlegungl / fixed installation
2002432	4 X 2 X AWG 23/1	9,9	34,00	102,00	black	V3: Cat.7A - 1000: PE - direkte Erdverlegung / direct burial
2003458	4 X 2 X AWG 23/1	9,5	34,00	85,00	black	V3: Cat.7A - 1000: PE - direkte Erdverlegung / direct burial
2002442	4 X 2 X AWG 22/1	7,9	42,00	68,00	yellow	V4: Cat.7e - 1200: LSZH - für feste Verlegungl / fixed installation
2002734	2 X (4 X 2 X AWG 22/1)	7,9 x 15,8	84,00	146,00	yellow	V4: Cat.7e - 1200: LSZH - für feste Verlegungl / fixed installation
2003332	4 X 2 X AWG 22/1)	8,4	42,00	73,00	yellow	V5: Cat.7e - 1500: LSZH - für feste Verlegungl / fixed installation
2007183	2 X (4 X 2 X AWG 23/1)	8,4 X 16,8	84,00	136,00	yellow	V5: Cat.7e - 1500: LSZH - für feste Verlegungl / fixed installation