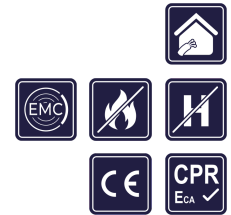




## USE OF CABLE

for transmitting of digital and analog signals for all ICT network applications at frequencies up to 200 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/IEC11801, TIA / EIA 568, TSB36, EN 50288, IEC61156-5
- for use in LANs like IEEE802.3: 10/100/1000 Base-T; IEEE802.5: FDDI, ISDN, ATM.
- suitable for transfer of Power over Ethernet (PoE) / PoE +
- LSZH: halogen-free, flame retardant, low smoke density (LowSmokeZeroHalogen)
- Note: U/UTP = UTP\*|F/UTP = UTP/S\*|SF/UTP = UTP/BS\*,S-FTP\*

\*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 or strand
Core insulation:	SFS-PE resp. 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:	U/UTP: unshielded F/UTP: plastic clad aluminium foil as overall shield SF/UTP: copper braid tinned and plastic clad aluminium foil as overall shield PVC or halogenfree special compound
Outer sheath:	Grey
Sheath colour:	Grey
Loop resistance:	AWG24: max. 19 Ω/100m; AWG26: max. 29 Ω/100m
Capacity:	Nom. 50 nF/km
Characteristic impedance:	100 Ω ± 15% at 100 MHz
Min. bending radius fixed:	4 x d
Min. bending radius moved:	8 x d
Operat. temp. fixed min/max:	-20 °C / +60 °C
Operat. temp. moved min/max:	0 °C / + 50 °C (during installation)
Halogen free:	LSZH: acc. to IEC 60754-2
Smoke density:	LSZH: acc. to IEC 61034
Corrodibility:	LSZH: acc. to EN 50267-2-2
Burning behavior:	Flame-retardant and self-extinguishing acc. to IEC 60332-1-2; type SF/UTP LSZH AWG24/1 additional acc. to IEC 60332-3-24
Standard:	EN 50173, ISO/IEC 11801, TIA/EIA 568, TSB36, EN 50288, IEC 61156-5, PoE: IEEE 802.3af

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2000528	4 X 2 X AWG 24/1	5,4	17,00	35,00	grey	V1: Cat.5e - 200: PVC - feste Verlegung / fixed installation
2002422	4 X 2 X AWG 24/1	6,1	18,00	41,00	grey	V1: Cat.5e - 200: PVC - feste Verlegung / fixed installation
2002697	4 X 2 X AWG 24/1	6,5	28,00	52,00	grey	V1: Cat.5e - 200: PVC - feste Verlegung / fixed installation
2002348	4 X 2 X AWG 24/1	5,4	17,00	35,00	grey	V2: Cat.5e - 200: LSZH - feste Verlegung / fixed installation
2002679	4 X 2 X AWG 24/1	6,1	18,00	41,00	grey	V2: Cat.5e - 200: LSZH - feste Verlegung / fixed installation
2002424	4 X 2 X AWG 24/1	6,5	28,00	46,00	grey	V2: Cat.5e - 200: LSZH - feste Verlegung / fixed installation
2002423	4 X 2 X AWG 26/7	5,6	13,00	34,00	grey	V3: Cat.5e - 200: PVC - Patchkabel / patch cable
2003123	4 X 2 X AWG 26/7	5,8	22,00	39,00	grey	V3: Cat.5e - 200: PVC - Patchkabel / patch cable
2003130	4 X 2 X AWG 26/7	5,6	13,00	34,00	grey	V4: Cat.5e - 200: LSZH - Patchkabel / patch cable

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2002445	4 X 2 X AWG 26/7	5,8	22,00	39,00	grey	V4: Cat.5e - 200: LSZH - Patchkabel / patch cable