



PROFINET UL/CSA, SK (fast connect)

Industrial Ethernet data cable with Transfer rates up to 100 Mbits/s

Construction

- Conductor: type A bare solid copper wire
type B stranded tinned 7-wires copper conductor (AWG 22)
type C stranded tinned 19-wire copper conductor
- Core insulation: polyolefin
- Core colours: White, yellow, blue, orange
- Cores twisted in star quads
- Intersheath
- Screening: Composite Aluminium foil and tinned copper braid
- Sheath: type A and B PVC, flame retardant
type C thermoplastic polyurethane compound (PUR), matt, low adhesion, flame retardant
- Sheath colour: RAL 6018 green

Technical Datas

- Wave impedance: $100 \pm 15 \text{ Ohm}$
- Conductor Loop resistance: max. 115.0 Ohm/km
type C max. 110.8 Ohm/km
- Insulation resistance: min. $5 \text{ GOhm} \times \text{km}$
- Mutual capacitance: 48 nF/km
- Operating voltage: max. 125 V
- Temperature range: stationary type A -40°C to $+80^\circ\text{C}$
flexible type B -10°C to $+70^\circ\text{C}$
type C -30°C to $+70^\circ\text{C}$
- Minimum bending radius:
Type A 10 x cable diameter (single bending)
Type B 15 x cable diameter (repeated bending)
Type C 8 x cable diameter

Type A and B:

- Flame retardant to IEC 60332-3
c(UL)us Listing Type CMG acc. UL 444,
UL Listing Type PLTC acc. UL 13,
c(RU)us Recognition AWM Style 20201

Type C:

- Flame retardant to IEC 60332-3
c(UL)us Listing Type CMX acc. UL 444

Type	Ø mm²	Cu-Weight kg/km	Outer-Ø mm	Total weight kg/km	Article number
A	2 x 2 x 0.64	32.0	6.5	68.0	4432264701

Type	Ø mm²	Cu-Weightkg/km	Outer-Ø mm	Total weight kg/km	Article number
B	2 x 2 x 0.38	32.0	6.5	68.0	4432238701
C	2 x 2 x 0.38	32.0	6.5	68.0	4432238190

- Further formats available on request
- All data and products subject to change