



Highlight characteristic

- Suitable for Cat 5e



NYX_CABLE PROFINET TYPE A 2X2X22AWG/1 125V 80°C 0001m

Benefits

- Combination shields provide maximum shield efficiency across the low and high frequency

Application

Data cables with transfer rates up to 100 Mbits/s, especially for industrial secondary and tertiary cabling. Type A for stationary installation, type B for limited flexibility, type C for highly flexible applications (drag chain). The cables come in the easy-to-install fast connect cable construction marked with FC. Type C has a robust polyurethane sheath.

Cable structure

- Type A: bare solid copper wire
Type B: stranded tinned 7-wire copper conductor (AWG22)
Type C: stranded tinned 19-wire copper conductor (AWG22)
- Core insulation: PE
- Core colours: white, yellow, blue, orange
- Cores twisted in star quads
- Innersheath
- Screening: composite aluminium foil and tinned copper braided
- Sheath
Type A and B: PVC,flame retardant
Type C: thermoplastic polyurethane compound (PUR), matt, low adhesion,flame retardant
- Sheath colour: RAL 6018 green

Electrical and technical specifications

- Peak operating voltagemax. 125 V
- Test voltage2000 V
- Conductor loop resistance
type Cmax. 115.0 Ohm/km
max. 110.8Ohm/km
- Insulation resistance @ +20°C>0.5 GOhm x km
- Mutual capacitance @ 1 kHz50 nF/km nom
- Maximum attenuation factor per length
at 10 MHz0.052 dB/m
at 100 MHz0.195 dB/m
- Cable outer diameter6.5 ± 0.2 mm
- Minimum bending radius:
type A10 x cable diameter (single bending)
type B15 x cable diameter (repeated bending)
type C8 x cable diameter
- Temperature range:
stationary type A-40°C to +80°C
flexibility type B-10°C to +70°C
type C-30°C to +70°C
- Characteristic impedance100 ± 15% Ohm
- Capacity48 nF/km at 800 Hz
- Caloric loadapprox. 0.34 MJ/m
- Flame retardant to IEC 60332-1

Part NO.	Size*	Cu content kg/km	Outer Dia.* (mm)	Weight* (kg/km)
199218 220411 (Type A)	2x2x22AWG/1	32.0	6.5	68
199318 220411 (Type B)	2x2x22AWG/7	32.0	6.5	68
199328 220411 (Type C)	2x2x22AWG/19	32.0	6.5	68

* คือก่าโดยประมาณ
* It is approximate value

- ความยาวมาตรฐาน คือ 100 ม., 500 ม. และ 1,000 ม. ขึ้นอยู่กับขนาดเส้นผ่านศูนย์กลางของสายไฟ
- Standard length is 100 m, 500 m and 1,000 m depend on OD of cable