

IndustriCore Profinet Cable **22AWG*4C, AL Foil, 85% TC Braid, LSZH Sheath**



Applications

PROFINET Cat5e, harsh environment, IIoT, factory or process automation, IP cameras and devices, data communication, etc.

Construction

Conductor Material	Soild bare copper
Insulation Material	Polyethylene (PE)
Core Identification	Yellow, blue, orange, white
Tape Around Cores	Polyester
Filler	Low smoke zero halogen (LSZH)
Screen 1	AL-PET Tape
Screen 2	Tinned copper wire 85% coverage
Sheath Material	Low smoke zero halogen (LSZH)
Sheath Color	Green

Dimensions

Conductor Diameter	22AWG (0.64 mm)
Insulation Diameter	1.40 mm Nom.
Filler diameter	4.00 mm Nom.
Braid Wire Diameter	0.12 mm
Overall Diameter	6.30 mm Nom.

Physical Characteristics

Bend Radius	Flexing 15 x OD Static 10 x OD
Temperature Rating	Flexing -10°C to +60°C Static -20°C to +70°C

Electrical Characteristics

Conductor DCR	59 Ω/KM Max. @20°C
Characteristic Impedance	100 Ω Nom.
Voltage Rating	300V
Velocity of Propagation	68%
Max. Delay	530 ns / 100m
Test Voltage	2 kV x 1min
Capacitance	48 pF/km

Standards

RoHS Compliant	Yes
Reach Compliant	Yes
CE Compliant	Yes
UV Resistance	ISO 4892-2, method A
Flame Retardant	IEC 60332-1-2 UL 1581 VW-1
Halogen & Corrosive Gas	IEC 60754-1/2
Smoke density	IEC 61034-2
CPR Classification	Eca EN 50575:2014+A1:2016