



CONTACT

Market information
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STANDARDS

International ISO/IEC 11801

Applications

Communication between automation equipment and computer systems within factories and production machinery
 Suitable for industrial twisted pair networks facilitating ISDN connection and WAN (Wide Area Network)

Standards

According Profinet



Halogen free
-



Lead free
-



Mechanical resistance to impacts
Very good



Operating temp.
 -40 ... 70 °C



Chemical resistance
Very good



Smoke density
-



Oil resistance
No



Electro magnetic interference resistance
Yes

CHARACTERISTICS**Construction characteristics**

Conductor material	Bare copper
Inner sheath	special halogen free material, easy to strip
Insulation	PE
Twisted	Yes
Screen	Aluminium foil + tinned copper braiding
Outer sheath	PVC
Sheath colour	Green
Halogen free	-
Lead free	-

Dimensional characteristics

Number of pairs	2
Number of cores	-
Conductor cross-section	- mm ²
Average sheath thickness	- mm
Copper content	- kg/km
Approximate weight	- kg/km

Mechanical characteristics

Mechanical resistance to impacts	Very good
Minimum bending cycles	5 Mio.

Usage characteristics

Operating temperature, range	-40 ... 70 °C
Minimum bending radius, static (xD)	7.5
Minimum dynamic operating bending radius	12 (xD)
Chemical resistance	Very good
Smoke density	-
Oil resistance	No
Electro magnetic interference resistance	Yes

SELLING AND DELIVERY INFORMATION

- Marking: week and year of production
- Core identification: orange + blue, white + yellow
- Standards: According Profinet