

en 02-2014/08 50114167



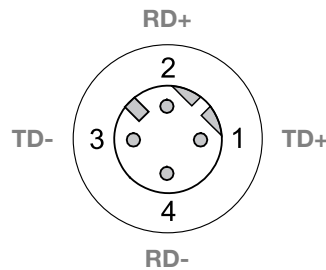
- Can be used with all Leuze products with Ethernet TCP/IP, EtherNet/IP™ or PROFINET IO RT
- Standard cables available in lengths from 1 ... 30m
- Halogen-free
- Silicone-free
- Suitable for drag chains

We reserve the right to make changes • DS_AccessoryKB_ET_en_50114167.fm

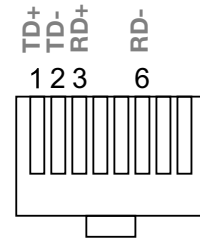


Contact assignments

M12 connector (D-coded)



RJ45 connector



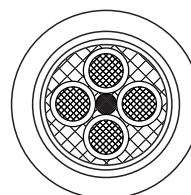
Contact M12 connector	Signal	Color	Contact RJ45 connector
1	TD+	yellow	1
2	RD+	white	3
3	TD-	orange	2
4	RD-	blue	6
Screw connection	Shield	bare	



The core colors on the RJ45 connector do not conform to EIA/TIA 568A or EIA/TIA 568B

Cable construction

2x2x0.38mm² (AWG 22)
AWM Style 20236 - PUR - 30V/80°C



Technical Data

Cable construction

Conductor	Cu-ETP1 bare, 2x2x0.38mm ² (AWG 22), fine-stranded
Insulation	HALOGEN-FREE PE SKIN, wire diameter 1.45 mm
Core colors	WH (white), YE (yellow), BU (blue), OG (orange)
Shield 1	Al-Pt foil (outer contact side)
Shield 2	Cu shielded line sheath
Sheathing	polyetherurethane (PUR) HALOGEN-FREE FLAME-RETARDANT, MATT; flame-resistance acc. to DIN VDE 0472-804 Inspection Type B, color: green, outer diameter 6.2 ±0.2 mm, surface free of lubricants outer diameter approx. 15mm

Connector

Electrical data ¹⁾

Nominal voltage	≤ 30V
Test voltage	≥ 2000V _{eff}
Conductor resistance	≤ 60Ω/km

Environmental data

Operating temperature range	at rest: -50°C ... +80°C in motion: -25°C ... +80°C
-----------------------------	--

Other requirements

PROFINET Ethernet	the cable fulfills the PROFINET C specifications the cable fulfills requirements acc. to IEC 11801, IEC 61156 (CAT 5), EN 50173, EN 50288-2-2 (100MHz cable), EIA/TIA 568B (CAT 5e)
Materials	exclusion of dangerous materials acc. to 2000/53/EC, 2002/95/EC, 2003/11/EC HALOGEN-, SILICONE- and PVC-free, LABS-free, microbe- and hydrolysis-resistant, flexible at low temperatures
Bending radius	≥ 32mm in stationary position, ≥ 64mm in flexible use, suitable for drag chains

1) At 20°C

Order guide

Part No.	Type / length	Designation
50106738	KB ET - 1000 - SA	
50106739	KB ET - 2000 - SA	
50106740	KB ET - 5000 - SA	
50106741	KB ET - 10000 - SA	
50106742	KB ET - 15000 - SA	
50106743	KB ET - 20000 - SA	
50106745	KB ET - 25000 - SA	
50106746	KB ET - 30000 - SA	
50106898	KB ET - 1000 - SSA	
50106899	KB ET - 2000 - SSA	
50106900	KB ET - 5000 - SSA	
50106901	KB ET - 10000 - SSA	
50106902	KB ET - 15000 - SSA	
50106903	KB ET - 20000 - SSA	
50106904	KB ET - 25000 - SSA	
50106905	KB ET - 30000 - SSA	
50109879	KB ET - 1000 - SA - RJ45	
50109880	KB ET - 2000 - SA - RJ45	
50109881	KB ET - 5000 - SA - RJ45	
50109882	KB ET - 10000 - SA - RJ45	
50109883	KB ET - 15000 - SA - RJ45	
50109884	KB ET - 20000 - SA - RJ45	
50109885	KB ET - 25000 - SA - RJ45	
50109886	KB ET - 30000 - SA - RJ45	

KB ET ... - 02

Tables

Diagrams

Remarks

Type code:					
KB	ET	- xxxxx	- S	S	A - RJ45
Abbreviation for cable	Cable for Ethernet/PROFINET	Cable length [mm]	Cable with connector	Cable with connector	Axial design
					Cable with RJ45 connector