



Technical data / Technische Daten

mechanical / mechanisch

M12 connector / M12 Stecker	/	according IEC 61 076 - 2 - 101
Insulation Body / Isolierkörper	/	TPU
Contact Insert / Kontaktträger	/	TPU
colour / Farbe		black / schwarz
Contact / Kontakt	/	CuZn
contact plating / Kontaktoberfläche		Au over Ni / Gold über Nickel
M12 Locking screw / M12 Verr. Schraube	/	CuZn 39Pb3 machined/Drehteil
	/	selfsecuring / selbstsicherend
screw plating	/	Cu1 Ni5-7 Cr0,1-0,3
M12 tightening torque / Anzugsmoment	/	0,6 Nm

electrical / elektrisch

Current carrying Capacity / Strombelastbarkeit	/	1 A at 20°C
Voltage proof / Prüfspannung Ueff. (cable / Kabel)	/	500 V AC core - shield
Voltage proof / Prüfspannung Ueff. (cable / Kabel)	/	1000 V core - core
cable performance / Kabelperformance	/	CAT 5e nach EIA/TIA 568
continous cable shielding (connected via M12 screw)	/	conn. to M12 screw
DC resistance / DC Widerstand (cable / Kabel)	/	142 Ohm/km / 284 Ohm/km (loop)

environmental / Umweltbedingungen

operating temperature range / Betriebstemperatur		
fixed cable / fest verlegt	/	- 25°C to + 80°C
moved cable / bewegt	/	- 5°C to + 60°C
protection degree M12 side / Schutzart M12 Seite	/	IP67 acc. IEC 60529
chemical resistance / Medienbeständigkeit	/	mineral oils, grease, UV radiation/ Mineralöle, Fette, UV Strahlung
RoHS compliant		Yes

Packing/ Verpackung	
winding dia./Wickeldurchmesser:	180±20 mm (2....10m); 250±30 (20m)
Pack.unit/VPE:	5 pcs./Stk.(0,3....10m); 2pcs./Stk.(20m)
pack mat./Verp. Material	plastic bag /zip)/Druckverschlussbeutel
Labeling/Kennzeichen	
printed label/Bedr.Etikett:	on smallest Pack unit/auf kleinster VPE
	on outer package/auf Umverpackung
Printing/Bedruckung:	acc. ERNI spec./nach ERNI Spezifikationen
Application/Anwendung	suitable for CAT5/5e data transmission (10/100 BaseT, Fast Ethernet) networks resp. generic cabling acc. ISO/IEC 11801 Class D
Manufacturing test/Produktionstest	
el.connection/Verbindungstest:	100% each wire+shield/jede Ader+Schirm
visual inspection/Sichtprüfung:	100%
Thread gauge test/Gewindeprüfung:	6g Gauge / Lehre
	Gauge to be used without abnormal force
	Lehre ohne erhöhten Kraftaufwand anwenden

Polzahl Poles	Seite X Side X	Belegung Pin assignment	z.B. für Ethernet-Anwendungen e.g. for Ethernet applications	Seite Y Side Y	Bauform Types	Länge L Length L	Gewicht Weight	Artikel-Nr. Part-No.
4	D-cod.			D-cod.		0,3m +100mm	39 g	225445
						0,6m +100mm	50 g	225446
						1,0m +100mm	66 g	225447
						1,5m +100mm	85 g	225448
						2,0m +100mm	105 g	225153
						3,0 m +150mm	145 g	225452
						5,0 m +150mm	224 g	225154
						7,5 m +300mm	325 g	225453
						10,0m +300mm	423 g	225155
						20,0m +300mm	817 g	225156

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Information:				Tolerances		 All Dimensions in mm		Scale 1:1	
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						M12-M12 CAT5e Assembly			
						324177			
c		19.10.2012		 www.ERNI.com		Class		CCCS	I (V)
Index		Date							A3

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