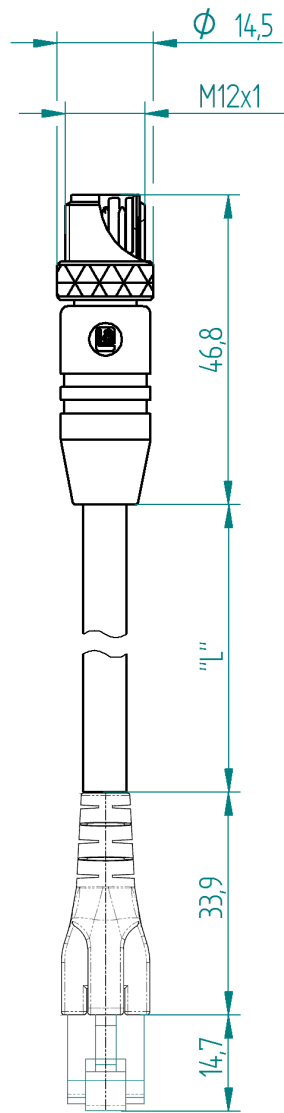
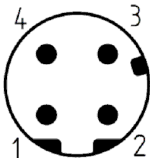
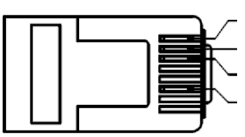


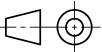
RoHS 



Legende/ cutlinde
"L" Standardlänge der Steuerleitung
 standard length of cable

Typ/ type	Kontaktbelegung/ contact assignment		Schaltbild/ wiring diagram
	Polzahl/ number of poles	Farbkennung/ colour code	
M12	4 TxD + RxD + TxD - RxD -		<div><div>M12ColorRJ45</div><div>1Yellow1</div><div>2White3</div><div>3Orange2</div><div>4Blue6</div><div>NutShieldShell</div></div>
		1 = gelb / yellow	
		2 = weiß / white	
		3 = orange / orange	
RJ45	4 TxD + TxD - RxD + RxD -		
		1 = gelb / yellow	
		2 = orange / orange	
		3 = weiß / white	
		6 = blau / blue	

The information/details in this datasheet merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products. The desired performance factors shall only be binding if these are expressly agreed on conclusion of the contract.


DIN ISO 5456-2

Product description

Description	M12-RJ45 cordset, double-ended - M12: male connector with molded cable - 360° shielding connected to knurled screw - RJ45: modular connector with 4 data contacts - Industrial Ethernet data cable acc. To ProfiNet type C
Type	0985 342 104/...M umspritzt, see page 4
Order No	see page 4
Type of contacts	M12: male
Standard	M12: IEC 61076-2-101 D RJ45: IEC 60603-7-4
Construction type	M12 male: LM, D coded RJ45

Technical data

Mating cycles	M12: ≤ 100 RJ45: > 750
Rated voltage	M12 : 250V AC/DC RJ45: 30 V AC / 42 V DC
Rated current *	M12: 4A RJ45: 1,5 A
Rated impulse voltage	M12: 2,0 kV RJ45: 1,0 kV
Pollution degree	M12: 3 acc. To DIN EN 60664-1 (VDE 0110-1)
Insulation resistance	M12: 1000 m Ω RJ45: 500 m Ω
Contact resistance	M12: ≤ 5 m Ω RJ45: ≤ 20 m Ω
Transmission characteristics	RJ45: Cat. 5 acc. To ISO IEC 11801 and Cat.5e acc. To TIA/EIA-

* Notice derating

Materials

over molding	M12: TPU RJ45: PC
Housing	RJ45: CuSn
Contact bearer	M12: TPU RJ45: PC
Contact	CuSn
Contact plating	Cu/Au
Knurled screw	CuZn, nickel-plated
Shielding sleeve	CuZn, tinned

Environmental conditions

Protection class (IEC 60529) *	M12: IP67 RJ45: IP20
Temperature range (connector)	M12: -25 °C to +80 °C, notice Derating ** RJ45: -10°C to +60°C, notice Derating **
Temperature range (cable, hard-wired)	-50 °C to +80 °C
Temperature range (cable, moved)	-25 °C to +80 °C

Good chemical resistance.

The resistance has to be checked in individual cases.

* only if mounted and locked in combination with Hirschmann / Lumberg connector.

** Temperature resistance of the cable considered separately

Cable-data

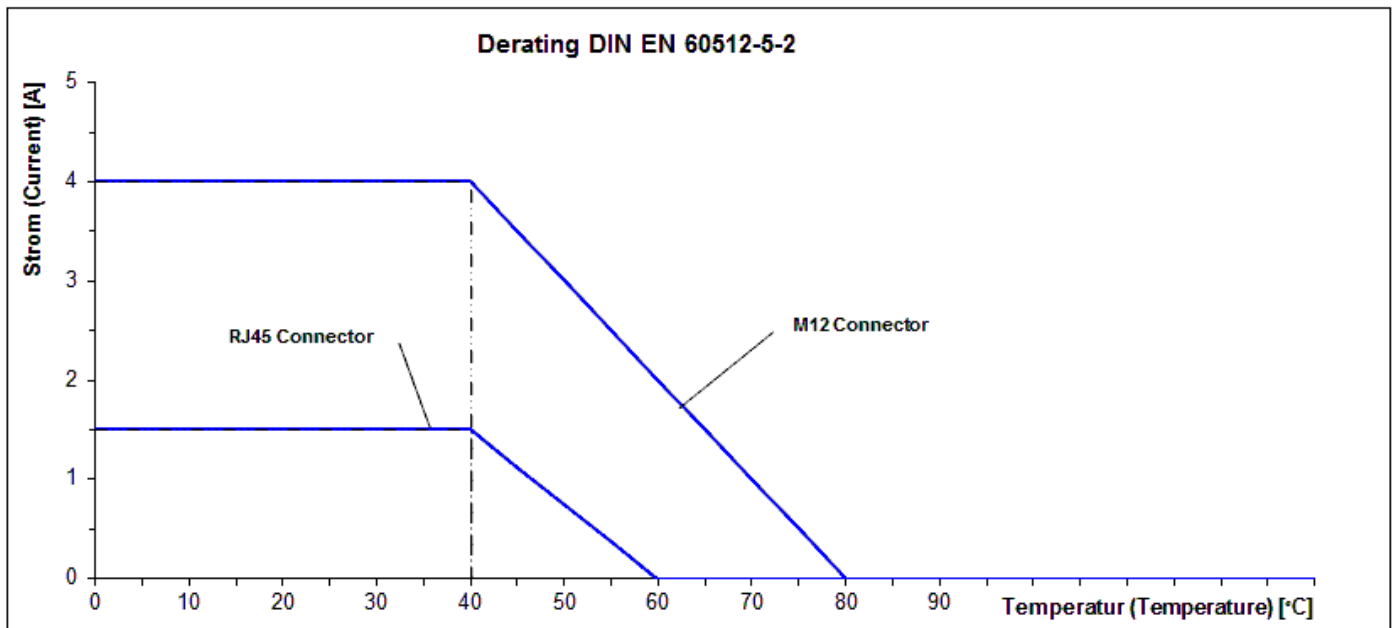
Cabletype	STL 342,Cable jacket: PUR outer diameter D= 6,5 mm, drag chain qualified
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Further types on request.

Further technical information on the control line see datasheet 909342

Cutline

Do not connect / disconnect under load.



Standard products

Artikel-No.	Type
000-011-944	0985 342 104/0,3 M umspritzt
000-011-945	0985 342 104/0,6 M umspritzt
000-012-114	0985 342 104/0,5 M umspritzt
000-012-115	0985 342 104/1 M umspritzt
000-012-116	0985 342 104/1,5 M umspritzt
000-012-117	0985 342 104/2 M umspritzt
000-012-118	0985 342 104/2,5 M umspritzt
000-012-119	0985 342 104/3 M umspritzt
000-012-120	0985 342 104/4 M umspritzt
000-012-121	0985 342 104/5 M umspritzt
000-012-123	0985 342 104/6 M umspritzt
000-012-125	0985 342 104/7,5 M umspritzt
000-012-126	0985 342 104/8 M umspritzt
000-012-127	0985 342 104/9 M umspritzt
000-012-128	0985 342 104/10 M umspritzt
000-012-129	0985 342 104/12,5 M umspritzt
000-012-130	0985 342 104/15 M umspritzt
000-012-132	0985 342 104/17,5 M umspritzt
000-012-139	0985 342 104/20 M umspritzt
000-012-143	0985 342 104/25 M umspritzt
000-012-144	0985 342 104/30 M umspritzt
000-012-145	0985 342 104/35 M umspritzt
000-012-146	0985 342 104/40 M umspritzt
000-012-148	0985 342 104/45 M umspritzt
000-012-149	0985 342 104/50 M umspritzt