

Technical drawing of the P69 cable assembly, showing side and end views with dimensions:

- Side View (Left):**
 - Overall length: 45,5
 - Length of the outer jacket: 13,5
 - Length of the braided shield: max. 5
 - Length of the inner insulation: 14,5
- Side View (Right):**
 - Overall length: 48,5
 - Length of the outer jacket: 46,8
 - Length of the braided shield: 13,3
 - Length of the inner insulation: 14,5
- End View (Bottom):**
 - Outer diameter: ϕ 21,5
 - Inner diameter: SW 18
 - Outer diameter of the braided shield: SW 19

Legende/ cutline
 *a O-Ring/ o-ring
 "L" Standardlänge der Steuerleitung/
 standard length of cable

DIN ISO 5456-2

Product description

Description	M12-RJ45 cordset, double-ended - M12 receptacle female connector, x coded, shielded - modular connector, 8 poles
Type	RKHS 8X-RJ45 G-478/...M, see last page(s)
Order No	see last page(s)
Number of contacts	8

Technical data

Mating cycles	RKHS: >100 RJ45: >750
Rated voltage	RKHS: 50 V AC / 60 V DC RJ45: max. 50 V
Rated current *	RKHS: 1 A RJ45: 0,5 A
Insulation resistance	> 10 ⁹ Ohm
Transmission characteristics	CAT-6A

* Notice derating

Materials

over molding	RKHS: TPU, black RJ45: TPE, black
Contact bearer	RKHS: PA GF, black RJ45: PC, transparent
Contact	CuZn
Contact plating	Cu/Au
Shielding sleeve	RKHS: CuZn, nickel-plated

Environmental conditions

Protection class (IEC 60529) *	RKHS: IP67/IP69 RJ45: IP20
Temperature range (connector)	RKHS: -30°C to +90°C, notice Derating ** RJ45: -40°C to +70°C, notice Derating **

Good chemical resistance.

The resistance has to be checked in individual cases.

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

** Notice Temp. range of the cable separate

Flammability class

Housing	RKHS: UL 94 V-0
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Cable-data

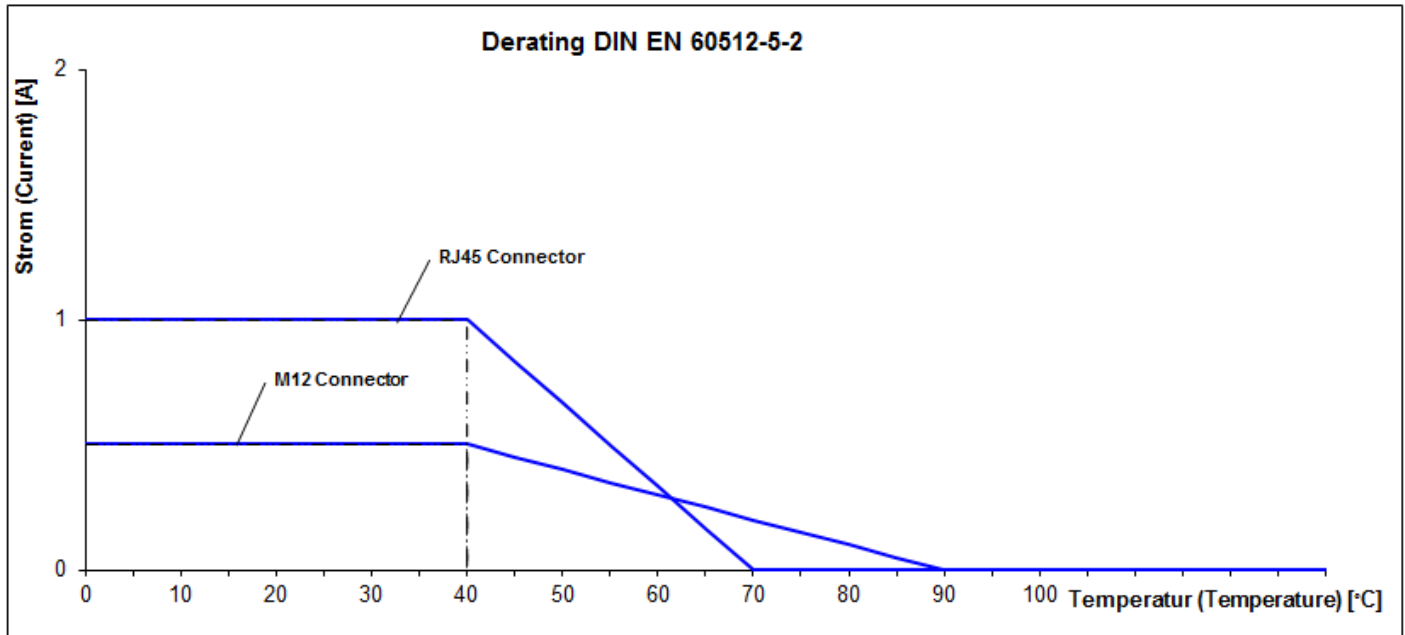
Cabletype	STL 478, Cable jacket: PUR, outer diameter D= 6,8 mm, conductor cross-section 4x2x0,14 mm²
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standard length of cable (other lengths of control lines on request)

Further technical information on control line see 197478000

Cutline

Do not connect / disconnect under load.



Standard products

Artikel-No.	Type
000-014-747	RKHS 8X-RJ45 G-478/2 M
000-014-748	RKHS 8X-RJ45 G-478/1,5 M
000-014-749	RKHS 8X-RJ45 G-478/1 M
000-014-750	RKHS 8X-RJ45 G-478/0,5 M

Mouser Electronics

Authorized Distributor

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[Lumberg Automation:](#)

[RKHS 8X-RJ45 G-478/0,5 M](#)