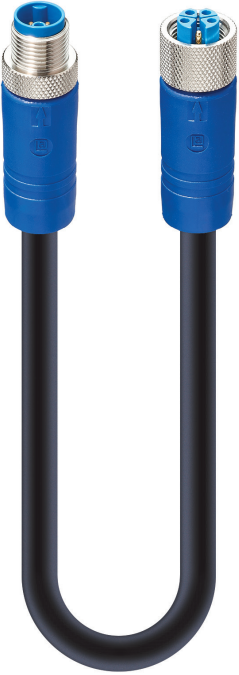# M12 Power Double-Ended Cordsets, K-coding, 5-Pole, Blue or Black Overmold
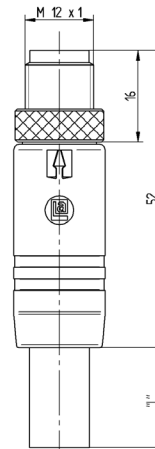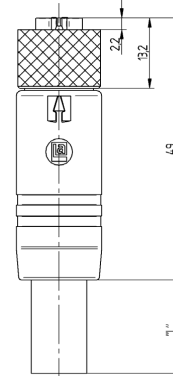
RST(S) 5K-RKT(S) 5K

5-Pole

M12 power double-ended cordset male straight to female straight shielded/unshielded, 5-pins, K-coded, 600 V AC/DC, blue or black overmold.
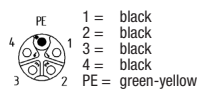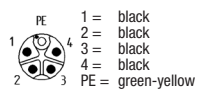
RST(S) 5K-RKT(S) 5K

Pin Assignments

M12 K-coded

RKT(S) 5K (female)

1 =	black
2 =	black
3 =	black
4 =	black
PE =	green-yellow

RST(S) 5K (male)

1 =	black
2 =	black
3 =	black
4 =	black
PE =	green-yellow

M12 Power Double-Ended Cordsets, K-coding, 5-Pole, Blue or Black Overmold

Technical Data

Environmental
Degree of protection — IP65, IP67, IP69K
Operating temperature range — -40°C to +125°C

Type
Type contacts — female/male
Number of contacts — RST-RKT: 5 (4+PE):, K - Coding
RSTS-RKTS: 5 (4+PE):, K - Coding

(Shielded)
Standard — IEC 61076-2-111
Construction type — K-coded
Conductor size — 0.75 mm^2, 1.5 mm^2, 2.5 mm^2
Color contact bearer — K: blue (Ral 5015)

Mechanical
Over molding — TPE, blue or black
Contact bearer — PBT GF
Contact — CuNi
Contact plating — Cu/Au
Screw Coupling Material — CuZn
O-ring — FKM
Surface coupling nut — Cu/Ni
Shielding sleeve — CuZn, plating: Ni

Electrical data
Contact resistance — $\leq$ 10 mΩ
Rated Current — 16 A (1.5 mm² and 2.5mm²)
Operating voltage — 600 V AC/DC
Insulation resistance — > 10^9 Ω
Pollution degree — 3 acc. to DIN EN 60664-1 (VDE 0110-1)

Flammability class
over molding — UL 94 HB
Contact bearer — UL 94 V-2

Approvals
VDE — DIN EN 61984: in preparation
UL — K-Coding (Pending)

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Gauge	Jacket Color	Shielding	OD
735	PVC	5 x 1.50 mm^2	16	Black		0.338" (8.6 mm)
736	PVC	5 x 0.75 mm²	20	Black		0.263" (6.7 mm)
911	PUR, halogen-free	5 x 1.50 mm^2	16	Black		0.314" (8.0 mm)
910	PUR, halogen-free	5 x 1.50 mm²	16	Black	Braid	0.409" (10.4 mm)
916	PVC	5 x 1.50 mm²	16	Black	Braid	0.409" (10.4 mm)
921	PUR, halogen-free	5 x 2.5mm²	14	Black	Braid	0.484" (12.3 mm)
912	PUR, halogen-free	5 x 2.50 mm²	14	Black	Braid	0.385" (9.8 mm)

Part Number	Pins	Shielded	Overmold	Standard Cable Lengths	Characteristics
RST 5K-RKT 5K-735	5		Blue	2M / 5M / 10M	UL
RST 5K-RKT 5K-735 SW	5		Black	2M / 5M / 10M	UL
RST 5K-RKT 5K-736	5		Blue	2M / 5M / 10M	UL
RST 5K-RKT 5K-736 SW	5		Blue	2M / 5M / 10M	UL
RST 5K-RKT 5K-911	5		Black	2M / 5M / 10M	UL
RST 5K-RKT 5K-911 SW	5		Blue	2M / 5M / 10M	UL
RSTS 5K-RKTS 5K-910	5S	Shielded	Black	2M / 5M / 10M	
RSTS 5K-RKTS 5K-910 SW	5S	Shielded	Black	2M / 5M / 10M	