

M12-Round-Plug Connector, Double-Ended Cordsets, According to IEC 60529

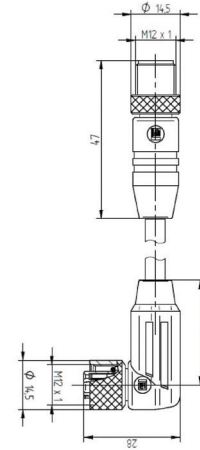
RSTS - RKWTS | RSWTS - RKTS



4-, 5-, and 8-Poles (360° Shielding)

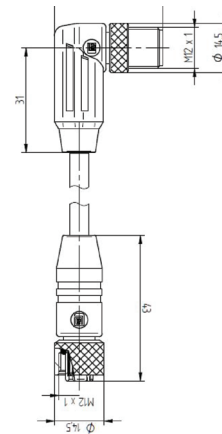
Actuator/sensor double-ended cordset, M12 male straight to female right angle connector with threaded joint and molded cable, 360° shielding connected to knurled nut

RSTS - RKWTS



Actuator/sensor double-ended cordset, M12 male right angle to female straight connector with threaded joint and molded cable, 360° shielding connected to knurled nut

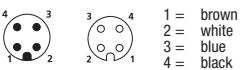
RSWTS - RKTS



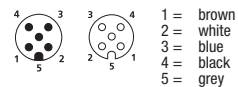
Pin Assignments

M12 - Male

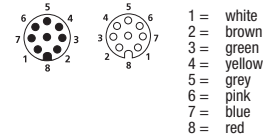
4 poles



5 poles



8 poles





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Technical Data

Environmental

Degree of protection IP 67 / IP 68 / IP 69K
Operating temperature range -25°C / +85°C

Mechanical

Housing / Molded body TPU, orange
Insert PBT, black
Contact 4 to 5 poles: CuSn
8 poles: CuZn

Contact surface Cu/Au
Coupling nut CuZn, nickel-plated
Shield sleeve CuZn, tin-plated
O-ring FKM

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
Nominal current at 40°C 4 to 5 poles: 4 A
8 poles: 2 A

Rated voltage 4 poles: 240 V AC/DC
5 poles 60 V AC/DC
8 poles 30 V AC/DC

Test voltage 4 poles 2.0 kV
5–8 poles 1.5 kV

Insulation resistance $> 10^9 \Omega$
Pollution degree 3 DIN EN 60664-1 (VDE0110)

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
288	PUR, halogen-free, shielded	4 x 0.34 mm ²	Black	.217" (5.5 mm)
298	PUR, halogen-free, shielded	5 x 0.34 mm ²	Black	.236" (6.0 mm)
299	PUR, halogen-free, shielded	8 x 0.25 mm ²	Black	.260" (6.6 mm)
391	PUR, halogen-free, shielded with 4 twisted-pair conductors and is very suitable for high speed signal transmission	8 x 0.25 mm ²	Black	.276" (7.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
Male Straight to Female 90°				
RSTS 4-RKWTS 4-288/...M	4	PUR, halogen-free	0.6 M / 1 M / 1.5 M / 2 M / 3 M / 5 M / 10 M / 20 M	UL    
RSTS 5-RKWTS 5-298/...M	5	PUR, halogen-free	0.3 M / 0.6 M / 2 M / 5 M	UL    
RSTS 8-RKWTS 8-299/...M	8	PUR, halogen-free	1 M / 2 M / 3 M / 5 M / 10 M	UL    
RSTS 8-RKWTS 8-391/...M	8	PUR, halogen-free, twisted pair	5 M / 7 M	UL    
Male 90° to Female Straight				
RSWTS 8-RKTS 8-299/...M	8	PUR, halogen-free	4 M	UL    