

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

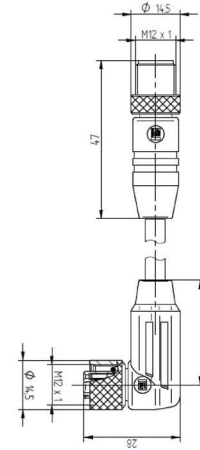
### RSTS - RKWTS | RSWTS - RKTS



### 4-, 5-, and 8-Poles (360° Shielding)

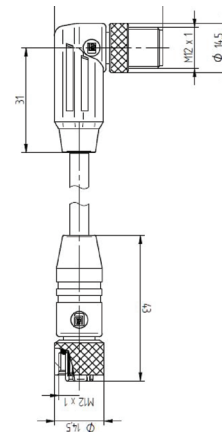
Actuator/sensor double-ended cordset, M12 male straight to female right angle connector with threaded joint and molded cable, 360° shielding connected to knurled nut

### 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

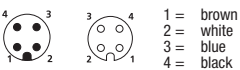
### RSWTS - RKTS



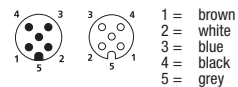
## Pin Assignments

### M12 - Male

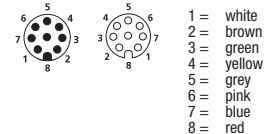
#### 4 poles



#### 5 poles



#### 8 poles





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

RSTS - RKWTS | RSWTS - RKTS

#### 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 ≤ 5 mΩ  
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<sup>9</sup> Ω  
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 <sup>2</sup>	Black	.217" (5.5 mm)
298	PUR, halogen-free, shielded	5 x 0.34 mm <sup>2</sup>	Black	.236" (6.0 mm)
299	PUR, halogen-free, shielded	8 x 0.25 mm <sup>2</sup>	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 <sup>2</sup>	Black	.276" (7.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
<b>Male Straight to Female 90°</b>				
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    
<b>Male 90° to Female Straight</b>				
RSWTS 8-RKTS 8-299/...M	8	PUR, halogen-free	4 M	UL    

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[RSTS 8-RKWT5 8-391/5 M](#) [RSTS 8-RKWT5 8-391/7 M](#) [RSTS 8-RKWT5 8-391/10 M](#)