

M23-Round-Plug Connector, Single-Ended Cordsets

RSWUF | RKWU | RKWUE



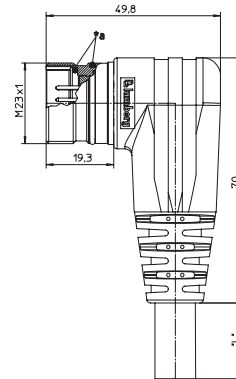
12- and 19-Poles

M23 cordsets, single ended, male 90° connector, 12- and 19-poles with threaded joint, external threads and molded cable.

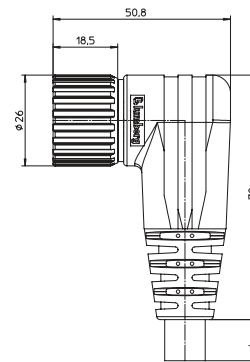


M23 cordsets, single ended, female 90° connector, 12- and 19-poles with threaded joint, internal (female) threads and molded cable.

RSWUF



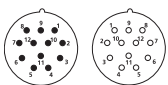
RKWU/RKWUE



Pin Assignments

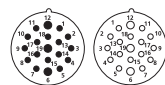
M23 - Male / Female

12 poles



- 1 = white
- 2 = green
- 3 = yellow
- 4 = grey
- 5 = grey/pink
- 6 = red/blue
- 7 = white/green
- 8 = brown/green
- 9 = blue
- 10 = blue
- 11 = brown
- 12 = yellow/green

19 poles



- 1 = violet
- 2 = red
- 3 = grey
- 4 = red/blue
- 5 = green
- 6 = blue
- 7 = grey/pink
- 8 = white/green
- 9 = white/yellow
- 10 = white/grey
- 11 = black
- 12 = yellow/green
- 13 = yellow/brown
- 14 = brown/green
- 15 = white
- 16 = yellow
- 17 = pink
- 18 = grey/brown
- 19 = brown



Be Certain with Belden

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Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +80°C (+176°F)

Mechanical




Housing / Molded body TPU, self-extinguishing
Insert PBT
Contact CuZn, pre-nickel and 0.8 microns gold-plated
Coupling nut CuZn, nickel-plated

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 12 poles 8 A
19 poles 8 A pin Ø 1 mm,
10 A pin Ø 1.5 mm
Nominal voltage 12 poles 240 V
19 poles 120 V
Rated voltage 12 poles 250 V
19 poles 125 V
Test voltage 12 poles 2.5 kV eff./ 60 s
19 poles 1.5 kV eff./ 60 s
Insulation resistance > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Jacket Color	OD	Agency Approvals
256	PUR, halogen-free	Black	8 x 0.50mm ² 3 x 1.00mm ²	UL: AWM 21198 / CSA: AWM I/II A/B
242	PUR, halogen-free	Black	3 x 1.00mm ² 16 x 0.50mm ²	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics	
Male 90°	Female 90°				
RSWUF 12-256/...M	RKWU 12-256/...M	12	PUR, halogen-free	5 M / 10 M / 15 M / 20 M	  
RSWUF 19-242/...M	RKWU 19-242/...M	19	PUR, halogen-free	5 M / 10 M / 15 M / 20 M	  
	RKWUE 19-242/...M		PUR, halogen-free	5 M / 10 M / 15 M / 20 M	  