

Overview

- M16, Female, A-coded, 7-poles, shielded
- Spiral cable, min. 280 cm max. 2313 cm, free cable end
- Outer winding diameter 19 mm
- For mobile applications
- Head A: IP67
- Cable: good resistance against chemicals, flames, oils


Technical data
Side A

Head A: Connection	M16
Head A: Angle cable outlet	0°
Head A: Gender	Female
Head A: No. of poles	7
Head A: LED	No
Head A: Width across flats	AF24
Head A: Knurled nut material	CuZn

Side B

Head B: Connection	Open-ended wires
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Cables

Cable length	280 cm
Length tolerance	+ 10 cm
Stripping length	20 mm
Shielded	Yes
Conductor structure	18 × 0.1 mm
AWG	26
External sheath: Material	PUR
External sheath: Color	Black
Cable diameter	5.3 mm ± 5%
Wire cross section	0.14 mm ²

Cable

Cable: Temperature range (mobile)	Low: -30 0 °C High: 80 0 °C
Operating voltage (only UL listed)	350 V
Shielded	Yes
Shielding: Covering	80 %
Bending radius (fixed)	26.5 mm
Number of wires	7
Number and diameter of wires	7x0.14
Length tolerance	+ 10 cm
Cable length	280 cm
AWG	26
Bending radius (fixed)	min. 5 × outer diameter
Bending radius (mobile)	min. 10 × outer diameter
Cable weight	42 g/m
Conductor structure	18 × 0.1 mm

Cable

Cable diameter	5.3 mm ± 5%
Conductor: Material	Copper, bare
External sheath: Material	PUR
Insulation: Material	PP
Shielding: Material	Copper, tinned
No. of bending cycles (C-track)	approx. 500000 Cycles
Nominal voltage	300 V
No. of torsion cycles	approx. 500000 Cycles
Paired stranding	No
Single wire diameter	0.49 mm
Cable: Test voltage	800 V AC 0
Torsion stress in °	± 180 °/m
Total stranding	7 wires strand
Wire cross section	0.14 mm ²
Wire processing	5mm tinned
Wire diameter incl. isolation	1 mm ± 5%
External sheath: Color	Black

Electrical data

Operating voltage (only UL listed)	350 V
Nominal voltage	300 V
Operating current per contact	max. 1.5 A

Mechanical data

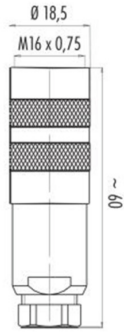
Head A: Degree of protection	IP67
Bending radius (mobile)	min. 10 × outer diameter
Bending radius (fixed)	min. 5 × outer diameter
No. of bending cycles (C-track)	approx. 500000 Cycles
Torsion stress in °	± 180 °/m
No. of torsion cycles	approx. 500000 Cycles

Environmental conditions

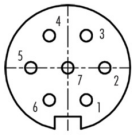
Temperature range (mobile)	- 25 ...+ 80 °C
Temperature range (fixed)	- 25 ...+ 80 °C
Cable: Chemical resistance	Good (DIN EN 60811-404)
Cable: Oil resistance	Good (DIN EN 60811-404)

Side A

Technical drawing



Coding



Side B

Technical drawing

