

MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

3.0m PUR 16x0,5+3x1,0, UL/CSA

3.0 m
8-way, 5-pole
Replaces identical product (Art.No. 27491)
with LED for digital PNP-signals 24 V DC
Further cable lengths on request.

Link to Product

Illustration



Product may differ from Image



Technical Data	
Operating voltage	24 V DC
Operating current per contact	max. 4 A
Locking of ports	Screw thread (M12×1 mm)
Protection	IP65, IP67, IP68
Housing	Zinc die casting, matte nickel plated

General data	
Temperature range	-20...+90 °C, depending on cable quality
Cables	
Cable identification	452
Approval (cable)	cRUus (AWM style 20549/10042); CE compliant
Cable weight [g/m]	231 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 39 Ω/km (0.5 mm ²); max. 20 Ω/km (1.0 mm ²); (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	64× 0.1 mm (0.5 mm ²), 128× 0.1 mm (1.0 mm ²); (multi-strand wire class 6)
Diameter (core)	16× 0.5 + 3× 1.0 mm ²
AWG	similar to AWG 20 (0.5 mm ²); similar to AWG 17 (1.0 mm ²)
Material (wire isolation)	TPE-E
Shore hardness (wire isolation)	55 ±3 D
Wire-Ø incl. isolation	1.6 mm ±5% (0.5 mm ²); 2.1 mm ±5% (1.0 mm ²)
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness (jacket)	94 ±5 A
Outer-Ø (jacket)	11.5 mm ±5%
Color (jacket)	gray
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Nominal voltage	300/300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (mobile)	-20...+90 °C
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 5 Mio.
Traversing distance (C-track)	max. 5 m (horizontal)
Travel speed (C-track)	max. 2 m/s
Acceleration (C-track)	max. 5 m/s ²
Contact Layout	
PIN 1	(+)
PIN 2	(NC)/(S2)
PIN 3	(-)
PIN 4	(NO)/(S1)
PIN 5	(Earth)
	LED (green): Power / LED (yellow): (S1/S2)
Product article number of manufacturer	8000-58510-4520300