

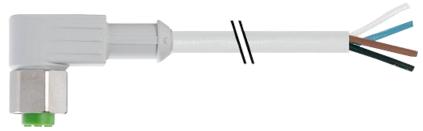


## **M12** Connectivity

Food & Beverage Range

M12, 8 pole, 90°, female connector to open ended lead for the Food & Beverage Industry

Stock No's 154-7737, 154-7738



## **Primary Features**

V4A Stainless steel hexagonal nut means there are minimum traps for debris to collect

IP65, IP68 when inserted and tightened

UL, CSA and Ecolab approved

Available in lengths:

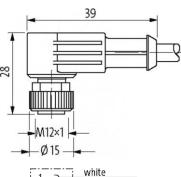
2 Metres (RS 154-7737)

5 Metres (RS 154-7738)









F 1		white
1 2	5	brown
i -	_ !	green
-		yellow
4		gray
5	7	pink
į 6	>-	blue
7	>+	
8	>-	red

Female







Cable	154-7737, 154-7738
No./diameter of wires	8 × 0.25 mm <sup>2</sup>
Wire isolation	PP (wh, br, gn, ye, gr, pk, bl, rd)
C-track properties	5 Mio.
Material (jacket)	PUR (UL/CSA)
Outer Ø	6.0 mm ±5%
Bend radius (moving)	10 × outer Ø
Temperature range (fixed)	-40+80 °C
Temperature range (mobile)	-25+80 °C
Cable identification	292
Cable type	3 (PUR)
Approval (cable)	UL (AWM-Style 20233/10493), CSA
Cable weight [g/m]	52,80
Material (wire)	Cu wire, bare
Resistor (core)	max. 79 Ohm/km (20 ° C)
Single wire Ø (core)	0.1 mm
Construction (core)	32 × 0.1 mm (multi-strand wire class 6)
Diameter (core)	8 × 0.25 mm <sup>2</sup>
AWG	similar to AWG 24
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	70 ±5 D
Wire-Ø incl. isolation	1.2 mm ±5%
Color/numbering of wires	br, wh, rd, bl, pk, gr, ye, gn
Stranding combination	8 wires twisted around central filler
Shield	no
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)	90 ±5 A
Outer-Ø (jacket)	6.0 mm ±5%





Cable continued	154-7737, 154-7738
Color (jacket)	gray
chemical resistance	good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)
thermal resistance	flame retardant to UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Nominal voltage	300 V AC
Test voltage	2500 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40+80 °C, (+90 °C at max. 10.000 operating hours)
Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10.000 operating hours)
Bend radius (fixed)	5 × outer Ø
Bend radius (moving)	10 × outer Ø
Number of bending cycles (C-track)	max. 5 Mio. (25 °C)
Traversing distance (C-track)	max. 5 m (horizontal)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s²
Torsion stress	±180°/m
Number of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles per min
Technical Data	
Operating voltage	max. 30 V AC/DC
Operating current per contact	max. 2 A
Locking of ports	Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self- securing
Protection	IP65, IP66K, IP67, IP68 inserted and tightened (EN 60529)
Locking material	Stainless Steel 1.4404 (V4A)
Rated surge voltage	0.8 kV