

# Master cable - SAC-8P-10,0-PURMC/M12FR - 1407823

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M12 socket, angled, 8-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 10 m



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 857512
Weight per Piece (excluding packing)	463.3 g
Custom tariff number	85444290
Country of origin	Poland

## Technical data

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

### General

Rated voltage	30 V
Number of positions	8
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Connection method	Fixed connection
Torque	0.4 Nm (M12 connector)

### Material

Inflammability class according to UL 94	HB
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF

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## Technical data

### Material

Sealing material	NBR
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### Connection assignment

Slot/position = pin = conductor color	1 / 4 (A) = P = WH
	2 / 4 (A) = J = GN
	3 / 4 (A) = T = YE
	4 / 4 (A) = S = GY
	5 / 4 (A) = G = PK
	6 / 4 (A) = R = RD
	1-6 / 1 (+ 24 V) = A = BN
	1-6 / 3 (0 V) = L = BU

### Cable

Cable type	PUR/PVC black
Cable type (abbreviation)	350
Cable abbreviation	LiYY-11Y
UL AWM style	20549
Conductor cross section	8x 0.25 mm <sup>2</sup> (signal line)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.22 mm ±0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
Wire colors	white, brown, green, yellow, gray, pink, blue, red
Overall twist	8 wires around filler to the core
Length of twist, overall twist	79 mm
External sheath, color	Black RAL 9005
Outer sheath thickness	≥ 0.38 mm
External cable diameter D	5.9 mm ±0.02 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Cable weight	52 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material, filler	PP yarn
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 200 MΩ*km (at 20 °C)
Conductor resistance	78 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage, cable	≥ 3000 V AC (Spark test)
Special properties	Flexible use, however not recommended for use in drag chains
	Low adhesion surface

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### Technical data

#### Cable

	wear-resistant and notch tough
Flame resistance	according to UL 758/1581 (horizontal)
	in accordance with UL 758/1581 FT2
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
Other resistance	hydrolysis and microbe resistant
	Resistant to salt water
Ambient temperature (operation)	-30 °C ... 80 °C (cable, fixed installation)
	-15 °C ... 80 °C (cable, flexible installation)

### Classifications

#### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27279218
eCl@ss 7.0	27279218

#### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

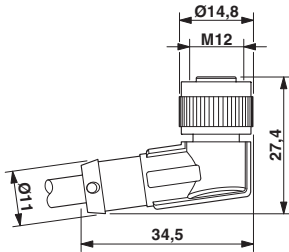
#### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

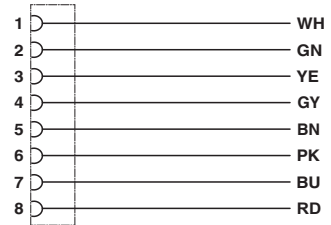
### Drawings

# Master cable - SAC-8P-10,0-PURMC/M12FR - 1407823

Dimensioned drawing



Circuit diagram



M12 x 1 socket, angled