

## Network cable - VS-M12MS-IP20-93C-LI/10,0 WL - 1404398


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Assembled PROFINET cable, CAT5e, shielded, star-quad, 22 AWG flexible cable conduit capable (7-wire), RAL 6018 (yellow-green), M12 plug to RJ45 plug/IP20, line, length: 10 m

RoHS

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 693592
GTIN	4046356693592

### Technical data

#### Mechanical characteristics

Number of positions	4
Shielded	yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	6.50 mm
Cable outlet	straight
Cable structure	1x4xAWG22/7; SF/TQ
Length of cable	10 m
No. of cable outlets	1

#### Ambient conditions

Ambient temperature (operation)	-10 °C ... 60 °C (cable, fixed installation)
	-10 °C ... 60 °C (cable, flexible installation)

#### Material data

Flammability rating according to UL 94	V0
Outer sheath, material	PUR
External sheath, color	green RAL 6018

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## Technical data

### Electrical characteristics

Transmission characteristics (category)	CAT5 (IEC 11801:2002)
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### Line characteristics

Cable type	PROFINET
Cable structure	1x4xAWG22/7; SF/TQ
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	approx. 1.5 mm
External cable diameter	6.50 mm
Wire colors	White, yellow, blue, orange
External sheath, color	green RAL 6018
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Wave impedance	100 Ω ± 15 Ω (at 1 ... 100 MHz)
Outer sheath, material	PUR
Conductor material	Tin-plated Cu litz wires
Cable weight	61.00 kg/km
Smallest bending radius, fixed installation	33 mm
Smallest bending radius, movable installation	50 mm
Max. bending cycles	3000000
Bending radius	200 mm
Traversing rate	4 m/s
Acceleration	4 m/s <sup>2</sup>

### Standards and Regulations

Flammability rating according to UL 94	V0
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### Electrical characteristics

Number of positions	4
GRP transmission properties	CAT5 IEC 11801
Transmission speed	100 Mbps

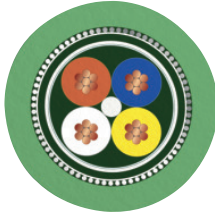
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

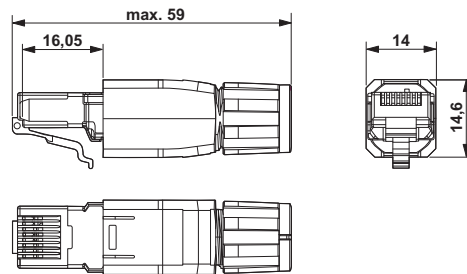
## Network cable - VS-M12MS-IP20-93C-LI/10,0 WL - 1404398

Cable cross section



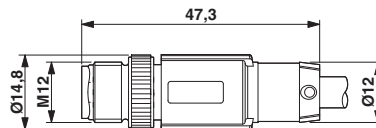
PROFINET drag chain CAT5 [93C]

Dimensional drawing



RJ45 connector, IP20

Dimensional drawing



Plug, M12 x 1, straight, shielded

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