

CM12 Sensorcable

- highest ingress protection for rough applications
- suitable for indoor and outdoor applications
- quick mount with M12
- 5 pin, free cable end, on socket straight M12, coding: A
- vibration & ingress tested for Smart Signaling



TECHNICAL DATA

Material	PUR outer sheath, PP9Y core insulation, halogen-free
Connector design	Female cable connector
Type standard	DIN EN 61076-2-101
Cable length	0,5 m / 1,0 m / 2,0 m
Version	Connector socket straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP68/IP69K
Cross-sectional area	0,34 mm ² / AWG 22
Temperature range	-25 °C / +90 °C
Mechanical operation	> 100 Mating cycles
Country of origin	DE
Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current	4,0 A
Insulation resistance	≥ 10 ¹¹ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded
Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)

Locking material	Zinc die-cast nickel-plated
REACH SVHC	None (No pollutants)
Cable diameter	5,0 mm
Cross section	5 × 0,34 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	42 × 0,10 mm
Cable color	schwarz
Conductor resistance	60 Ω/Km (20°C)
Bending radius, fixed cable	≥ 5 × Ø
Bending radius, moving cable	≥ 10 × Ø
Bending cycles	> 5 Mio.
Permitted acceleration	5 m/s ²
Travel distance, horizontal	5 m/s ² → 5 m
Travel distance, vertical	5 m/s ² → 5 m
Travel speed	≤ 200 m/min (5 m horizontal distance)
Temperature range cable in move from/to	-25 °C / +90 °C
Temperature range cable fixed from/to	-50 °C / +90 °C
Halogen free	yes
Approvals	UL 2238
Low Voltage Directive	2014/35/EU (EN 60529:1991;EN 60204-1:2018)
RoHS Directive	2011/65/EU (EN 50581:2012)