## **SIEMENS**

Data sheet 6XV1870-8GH10

## product type designation

product description

## IE Connecting Cable M12-90/M12-90

Flexible plug-in cable (4-wire), preferred length, prefabricated with two 4-pin M12 connectors (D-coded, 90° cable outlet)

IE Connecting Cable M12-90/M12-90, pre-assembled IE FC Trailing Cable GP, with 2 M12 connectors (D-coded) length 1 m.



For connecting Industrial Ethernet stations (e.g. SIMATIC ET200 and SCALANCE XP-200) in IP 65/67 degree of protection
2YY (ST) CY 2x2x0,75/1,5-100 LI GN
1 m
2
0.063 dB/m
0.213 dB/m
100 Ω
5 %
0.5 dB/m
20 mΩ/m
120 mΩ/m
80 V
66 %
4
Overlapped aluminum-clad foil, sheathed in a braided screen of tin- plated copper wires
0.75 mm
0.75 mm
1.5 mm
3.9 mm
6.5 mm
0.2 mm
polyethylene (PE)

of cable sheath	PVC
color	.,,
of the insulation of data wires	white/yellow/blue/orange
of cable sheath	green
bending radius	9.00
with single bend / minimum permissible	32.5 mm
with multiple bends / minimum permissible	49 mm
with continuous bending	100 mm
number of bending cycles	3000000; Drag chain suitable for 3 million bending cycles at a bending
	radius of 100 mm, a speed of 4 m/s and an acceleration of 4 m/s <sup>2</sup>
tensile load / maximum	150 N
weight per length	68 kg/km
ambient conditions	
ambient temperature	
<ul><li>during operation</li></ul>	-25 +75 °C
<ul><li>during storage</li></ul>	-25 +75 °C
<ul> <li>during transport</li> </ul>	-25 +75 °C
<ul> <li>during installation</li> </ul>	-10 +60 °C
• note	Electrical properties measured at 20 °C, tests according to DIN VDE 0472
fire behavior	flame resistant according to UL 1685 (CSA FT 4)
chemical resistance	
• to mineral oil	conditional resistance
• to grease	Conditional resistance
radiological resistance / to UV radiation	resistant
protection class IP	IP65, IP67
product features, product functions, product components	/ general
product feature	
<ul><li>halogen-free</li></ul>	No
• silicon-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; c(ETL)us, CMG FT4 / (ETL)us PLTC / Sun Res / OIL RES
UL/ETL style / 600 V Rating	Yes; cRUus AWM 21694 AWM I A/B 60°C 600V FT2
certificate of suitability	
<ul> <li>EAC approval</li> </ul>	Yes
CE marking	Voc
	Yes
RoHS conformity	Yes
RoHS conformity     standard for structured cabling	
RoHS conformity     standard for structured cabling     Marine classification association	Yes
RoHS conformity     standard for structured cabling  Marine classification association     American Bureau of Shipping Europe Ltd. (ABS)	Yes
RoHS conformity     standard for structured cabling     Marine classification association	Yes Cat5e
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