

## 2.9 Multi-function cables

### 2.9.1 Order data

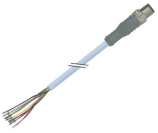

Length	Short description	
	Multi-function attachment cable	
2.0 m	X67CA0141.0020	X67CA0151.0020
5.0 m	X67CA0141.0050	X67CA0151.0050
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Table 591: X67CA0lxx multi-function cable - Order data

2.9.2 Technical data

Product ID	Multi-function cables
<b>General information</b>	
Cable ID	Lif9YHC11YH
Cable cross section mm <sup>2</sup> AWG	12 x 0.14 mm <sup>2</sup> 12 x 28 AWG
Durability	Oil resistant according to VDE 0472 part 803 Flame resistant according to VDE 0472 part 804 / B Salt water resistant
<b>Lines (wires)</b>	
Lines	"Fine-stranded wires 0.14 mm <sup>2</sup> (28 AWG) Ei-Cu wire, blank white 72 x 0.05 mm / 72 x 44 AWG"
Wire insulation	Polypropylene 9Y
Characteristics	Halogen-free
Wire colors	Brown, black, blue, white, gray, green, pink, yellow, red, purple, gray/pink, red/blue
<b>Cable structure</b>	
Lines Stranding Shield	12-wire twisted pair Yes
Outer sheathing Material Characteristics Color Labeling	Polyether polyurethane according to VDE 0250 part 818 Free of CDC and cadmium Gray B&R X67CA0lxx.xxxx
<b>Electrical characteristics</b>	
Specific contact resistance	$>10^{16} \Omega \times \text{cm}$
Insulation resistance	$>10^9 \Omega$ according to IEC 60512-2
Degree of pollution	3/2 according to IEC 60664-1
Operating voltage	30 V according to IEC 60664-1
Rated current	1.5 A / contact according to IEC 60512-3
<b>Mechanical characteristics</b>	
Protection type - plug/coupling	IP67, only when screwed in, according to IEC 60529
Temperature range With fixed installation With flexible installation	-30 to +90°C 0 to +90°C
Outer diameter	6.2 mm $\pm$ 0.15 mm
Flex radius	$\geq 10 \times$ outer diameter when flexed

Table 592: X67CA0lxx multi-function cable - Technical data

2.9.3 X67CA0I41.xxxx

Dimensions			
Pin assignments			
Plugs	Pin	Name	Wire colors
<p>A-coded</p>	1	See the section 13.2.9 "I/O channels on the DC1198" on page 610	Brown
	2		Blue
	3		White
	4		Green
	5		Pink
	6		Yellow
	7		Black
	8		Gray
	9		Red
	10		Purple
	11		Gray/pink
	12		Red/blue

Table 593: X67CA0I41 multi-function attachment cable - Measurements and pin assignments

Cable lengths			
Model number	Standard length [dm]	Actual length [cm]	Tolerance [cm]
X67CA0I41.0020	20	200	+5
X67CA0I41.0050	50	500	+5

Table 594: X67CA0I41 multi-function attachment cable - Cable lengths

2.9.4 X67CA0I51.xxxx

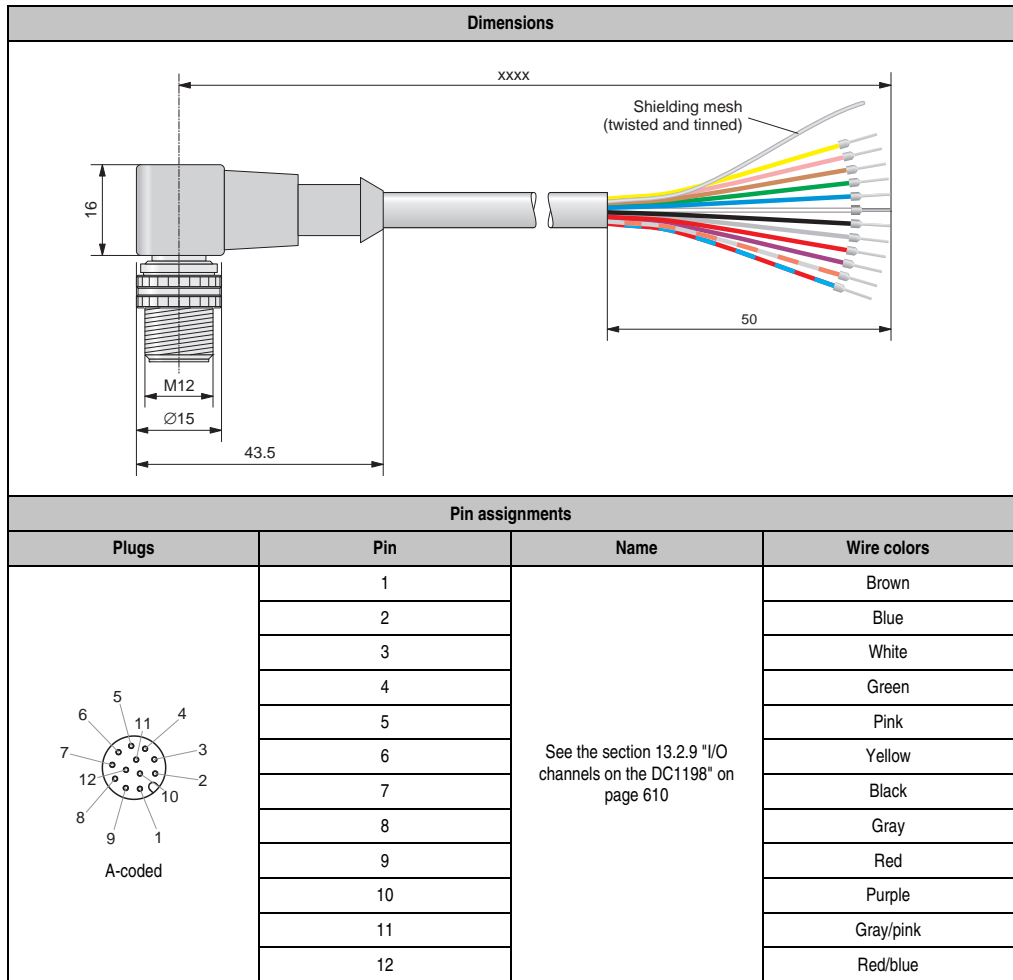


Table 595: X67CA0I51 multi-function attachment cable - Measurements and pin assignments

Cable lengths			
Model number	Standard length [dm]	Actual length [cm]	Tolerance [cm]
X67CA0I51.0020	20	200	+5
X67CA0I51.0050	50	500	+5

Table 596: X67CA0I51 multi-function attachment cable - Cable lengths