

8CCH0002.11220-1

1 General information

- Can be used in cable drag chains
- Cable for connection of ACOPOSremote / ACOPOSmotor drive systems to ACOPOSmulti 8BVE expansion modules
- Hybrid connector system for secure connections

2 Order data

Order number	Short description	Figure
8CCH0002.11220-1	8BVE / 8CVI connection cables Hybrid cable for connecting 8BVE to 8CVI or 8DI, length 2 m, 2x 2x 0.34 mm ² + 4x 0.75 mm ² + 5x 2.5 mm ² , 1x 15-pin female TYCO connector, connector insert rotated 180°, can be used in cable drag chains	 No product image

Table 1: 8CCH0002.11220-1 - Order data

3 Technical data

Order number	8CCH0002.11220-1
General information	
Cable cross section	5x 2.5 mm ² + 2x 2x 0.75 mm ² + 2x 2x 0.34 mm ² / 1.55- 100 VZN
Durability	In preparation
Certification	E130266 cRUus AWM style 20234, 80°C, 1000 V and CSA C22.2 no. 210.2 I/II A/B, FT1 ¹⁾
Certifications	
CE	Yes
UL	cULus E225616 Power conversion equipment
Cable construction	
Power lines	
Quantity	5
Wire insulation	PE
Wire colors	Black, red, brown, white, yellow/green
Variant	Tinned copper stranded wire
Cross section	2.5 mm ²
Shield	No
Stranding	No
Signal line	
Quantity	4
Wire insulation	PE
Wire colors	Pink/Blue, violet/gray
Variant	Tinned copper stranded wire
Cross section	0.75 mm ²
Shield	No
Stranding	No
Cable stranding	With filler elements and foil shield
Cable shield	Tinned copper braiding, optical coverage >85% and foil shield

Table 2: 8CCH0002.11220-1 - Technical data

Order number	8CCH0002.11220-1
Outer jacket	
Material	PUR
Color	Orange, similar to RAL 2003 flat
Labeling	B&R 5x2.5 + 2x2x0.75 + (1x4x22AWG) * E130266 cRUus AWM STYLE 20234 * AWM I/II A/B 80°C 1000 V FT1 * "internal lot number" ¹⁾
Connector	
Type	15-pin female TYCO connector
Mating cycles	Max. 20
Contacts	15
Degree of protection per EN 60529	IP65 when connected
Electrical properties ¹⁾	
Operating voltage	Power lines: ≤1000 V Signal lines: ≤1000 V Data lines: ≤100 V
Test voltage	
Wire - Wire	2.5 mm ² : 3 kV 0.75 mm ² : 2 kV 0.34 mm ² : 2 kV
Wire - Shield	2.5 mm ² : 3 kV 0.75 mm ² : 1 kV 0.34 mm ² : 1 kV
Conductor resistance	
Power lines	≤8 Ω/km
Signal line	≤26 Ω/km
Insulation resistance	≥500 MΩ*km
Ambient conditions ¹⁾	
Temperature	
Moving	-40°C to 80°C
Static	-40°C to 80°C
Mechanical properties ¹⁾	
Dimensions	
Length	2 m
Diameter	14.6 mm ±0.4 mm
Bend radius	
Single bend	>40 mm
Moving	≥140 mm
Drag chain data	
Acceleration	Max. 50 m/s ² (depends on the length of the travel path)
Flex cycles	≥5,000,000
Velocity	Max. 300 m/min
Weight	0.72 kg

Table 2: 8CCH0002.11220-1 - Technical data

1) Values refer to the raw cable being used.

4 Wiring

4.1 Cable construction

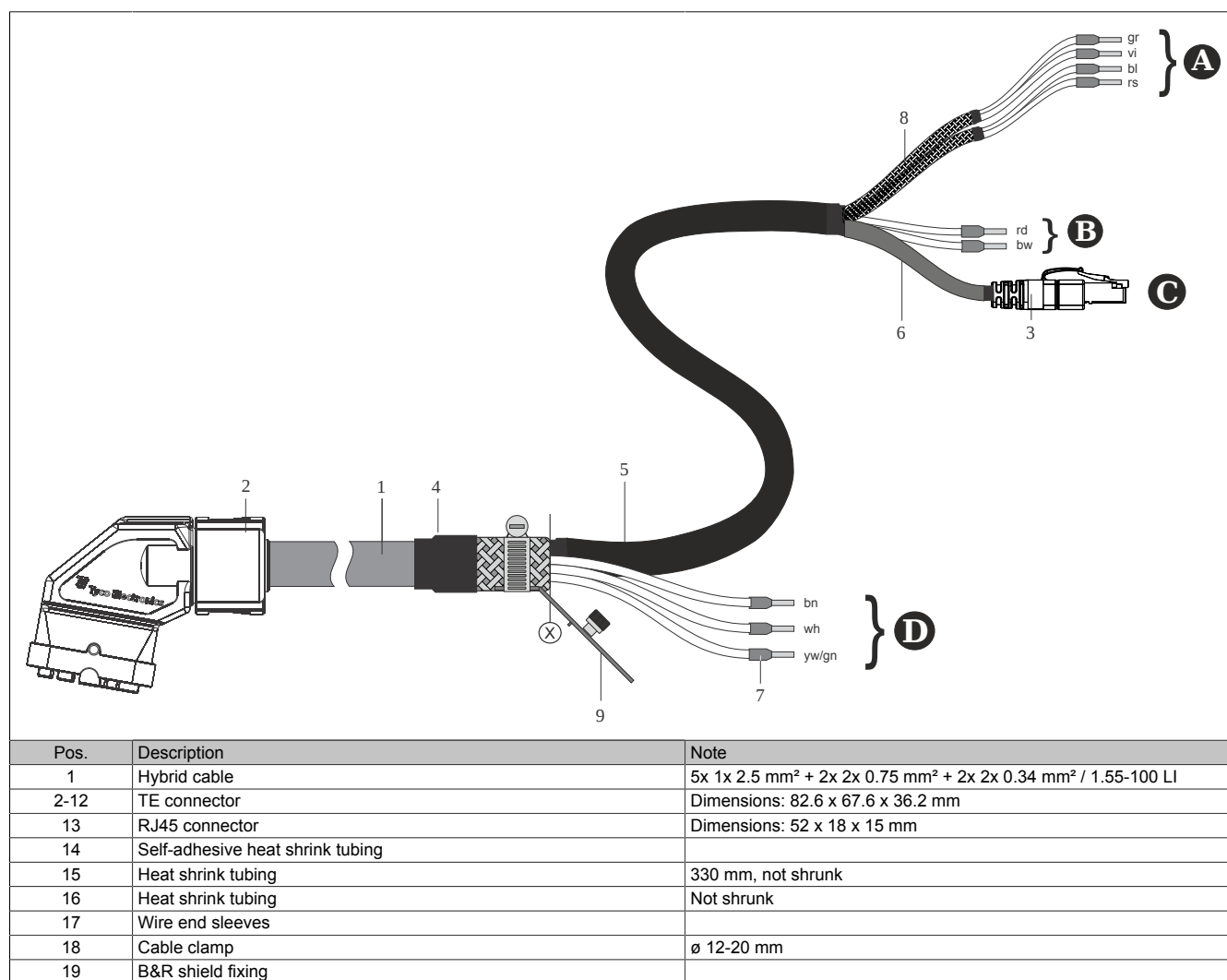


Table 3: One-sided hybrid cable 8CCHxxxx.11220-1 - Cable construction

4.2 Pinout

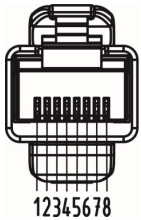
Connector	Pin	Description	Function
	1	TXD	Transmit signal
	2	TXD\	Transmit signal inverted
	3	RXD	Receive signal
	4	---	---
	5	---	---
	6	RXD\	Receive signal inverted
	7	---	---
	8	---	---

Table 4: RJ45 connector - Pinout

4.3 Cable diagram

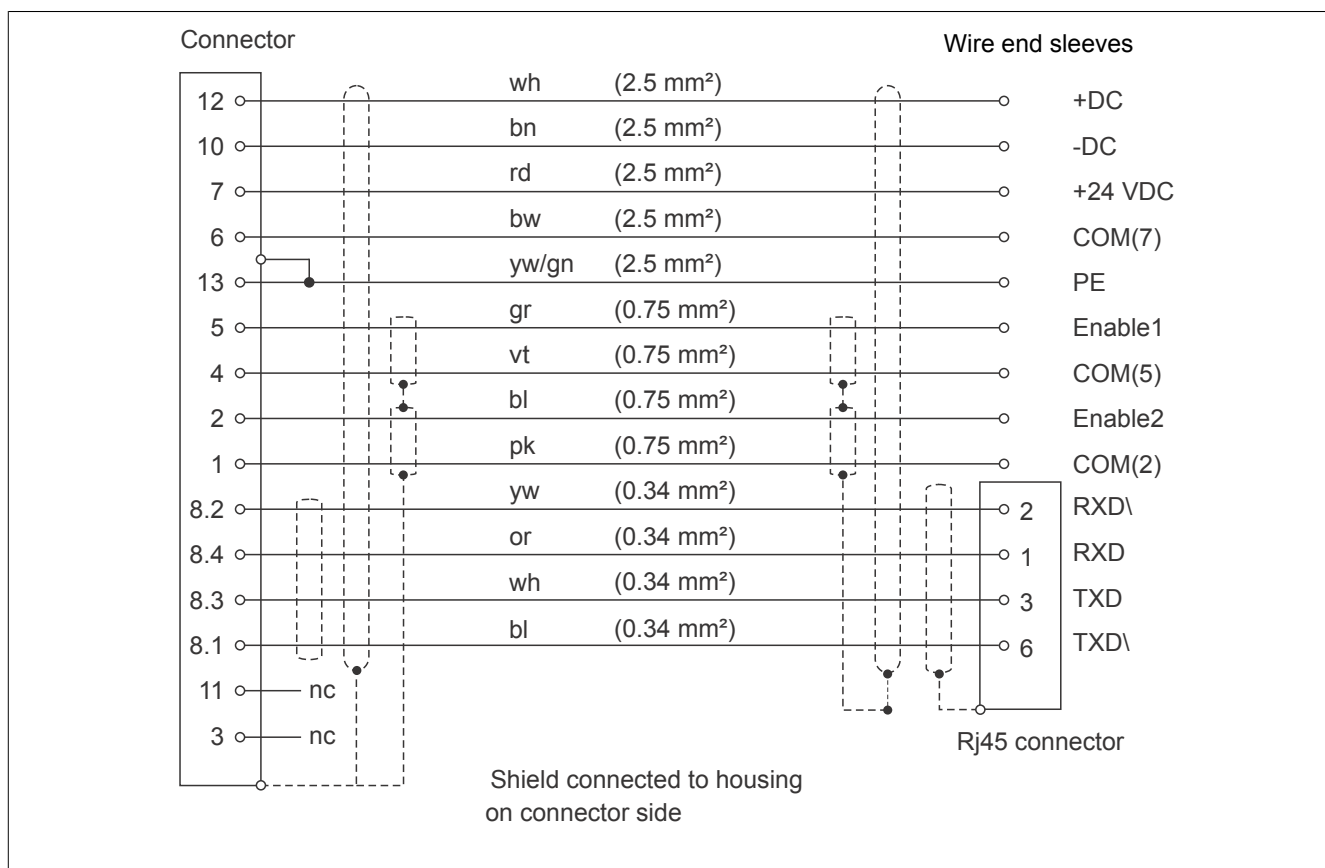


Figure 1: One-sided hybrid cable 8CCHxxxx.11220-1 - Cable diagram