

8CCH0003.11110-0

1 General information

- Optimally suited for use with ACOPOSremote/ACOPOSmotor drive systems
- Hybrid plug system for secure connections

2 Order data

Model number	Short description	Figure
8CCH0003.11110-0	Hybrid cables Hybrid cable, length 3 m, 2x 2x 0.34 mm ² + 4x 0.75 mm ² + 5x 2.5 mm ² , 2x 15-pin TYCO hybrid connectors	

Table 1: 8CCH0003.11110-0 - Order data

3 Technical data

Product ID	8CCH0003.11110-0
General information	
Cable cross section	5x 2.5 mm ² + 4x 0.75 mm ² + 2x 2x 0.34 mm ² / 1.55- 100 LI
Durability	In preparation
Listed	UL AWM Style 20234, 80°C, 1000 V as well as CSA C22.2 No. 210.2 I/II A/B, FT1
Certification c-UL-us	In preparation
Cable structure	
Power lines	
Quantity	5
Wire insulation	Special thermoplastic material
Wire colors	Black, red, green, white, yellow/green
Design	Tinned copper litz wire
Diameter	2.5 mm ²
Shielding	No
Stranding	No
Signal lines	
Quantity	4
Wire insulation	Special thermoplastic material
Wire colors	Pink, blue, violet, gray
Design	Tinned copper litz wire
Diameter	0.75 mm ²
Shielding	No
Stranding	No
Data lines	
Quantity	4
Wire insulation	Special thermoplastic material
Wire colors	Orange, white, yellow, blue
Design	Tinned copper litz wire
Diameter	0.34 mm ²
Shielding	Yes
Stranding	Yes
Cable stranding	With filler elements and foil banding
Cable shielding	Tinned copper mesh, optical coverage >85% and wrapped in isolating film

Table 2: 8CCH0003.11110-0 - Technical data

Product ID	8CCH0003.11110-0
Outer sheathing	
Material	PUR
Color	Orange, similar to RAL 2003 flat
Labeling	In preparation
Connector	
Type	2x 19-pin hybrid connectors
EN 60529 protection	IP65
Electrical characteristics	
Operating voltage	Power lines: ≤ 1000 V Signal lines: ≤ 1000 V Data lines: ≤ 100 V
Test voltage	
Wire/Wire	3kV AC
Wire/Shield	3kV AC
Current load	In preparation
Conductor resistance	
Power lines	$\leq 0.02 \Omega$
Signal lines	$\leq 0.08 \Omega$
Data lines	$\leq 0.17 \Omega$
Insulation resistance	> 166.67 G Ω
Environmental conditions	
Temperature	
Moving	-40 to 80°C
Static	-40 to 80°C
Mechanical characteristics	
Dimensions	
Length	3 m
Diameter	14.6 mm ± 0.4 mm
Flex radius	
Single bend	> 40 mm
Moving	≥ 140 mm
Drag chain data	
Acceleration	< 4 m/s ²
Flex cycles	$\geq 5,000,000$
Velocity	≤ 4 m/s
Weight	1.55 kg

Table 2: 8CCH0003.11110-0 - Technical data

4 Wiring

4.1 Cable structure

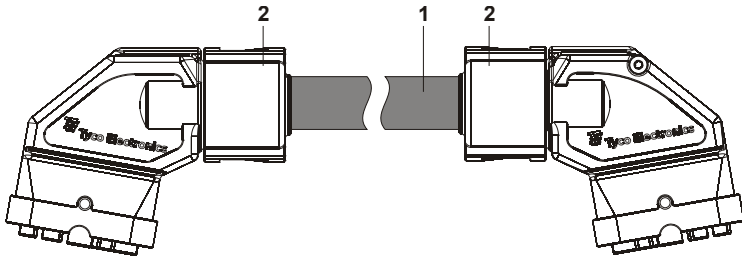
			
Pos.	Quantity	Name	Note
1	1	Hybrid cables	5x 1x 2.5 mm ² + 4x 1x 0.75 mm ² + 2x 2x 0.34 mm ² / 1.55- 100 LI
2	2	19-pin hybrid socket	-

Table 3: Cable structure - Hybrid cable

4.2 Cable schematic

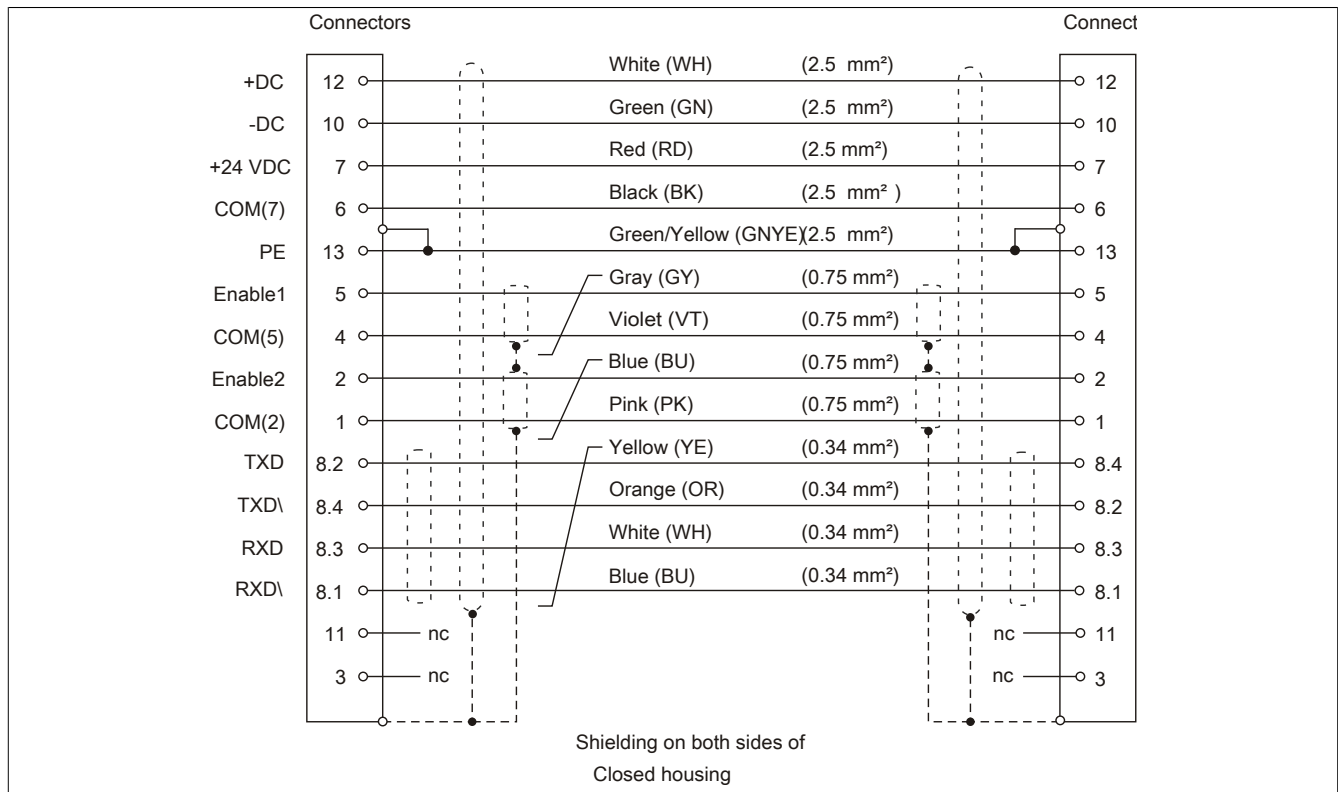


Figure 1: Cable schematic - Hybrid cable