

8CCH0001.11110-0

1 Order data

Model number	Short description	Figure
	Hybrid cables	
8CCH0001.11110-0	Hybrid cable, length 1 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: 8CCH0001.11110-0 - Order data

2 Technical data

Product ID	8CCH0001.11110-0
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
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

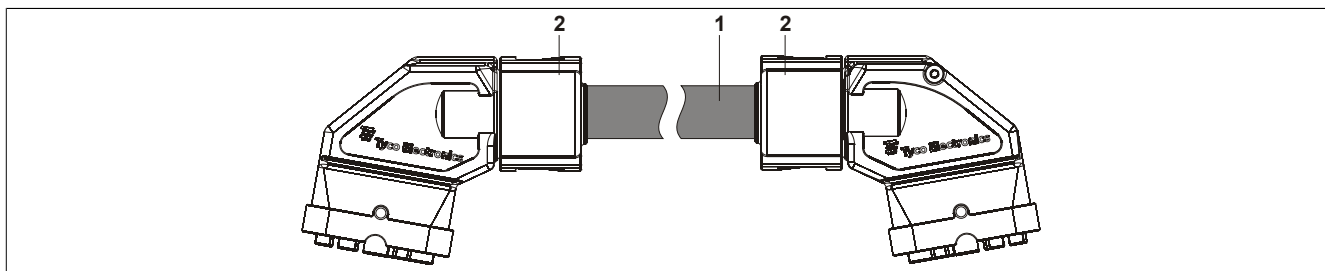
Table 2: 8CCH0001.11110-0 - Technical data

Product ID	8CCH0001.11110-0
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	$\leq 0.008 \Omega$
Signal lines	$\leq 0.03 \Omega$
Data lines	$\leq 0.06 \Omega$
Insulation resistance	$> 500 \text{ G}\Omega$
Environmental conditions	
Temperature	
Moving	-40 to 80°C
Static	-40 to 80°C
Mechanical characteristics	
Dimensions	
Length	1 m
Diameter	$14.6 \text{ mm} \pm 0.4 \text{ mm}$
Flex radius	
Single bend	$> 40 \text{ mm}$
Moving	$\geq 140 \text{ mm}$
Drag chain data	
Acceleration	$< 4 \text{ m/s}^2$
Flex cycles	$\geq 5,000,000$
Velocity	$\leq 4 \text{ m/s}$
Weight	0.82 kg

Table 2: 8CCH0001.11110-0 - Technical data

3 Wiring

3.1 Cable structure



Pos.	Quantity	Name	Note
1	1	Hybrid cables	$5 \times 1 \times 2.5 \text{ mm}^2 + 4 \times 1 \times 0.75 \text{ mm}^2 + 2 \times 2 \times 0.34 \text{ mm}^2 / 1.55-100 \text{ LI}$
2	2	19-pin hybrid socket	-

Table 3: Cable structure - Hybrid cable

3.2 Cable schematic

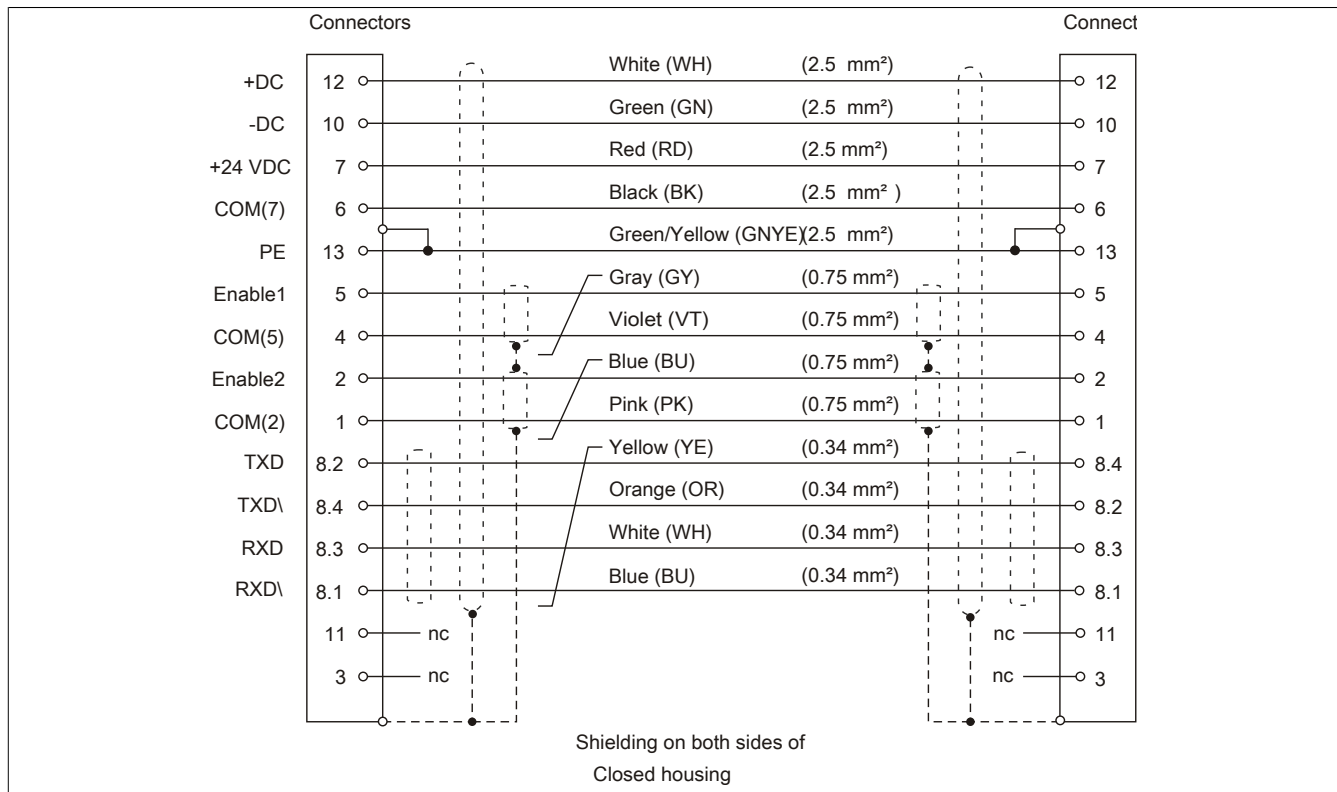


Figure 1: Cable schematic - Hybrid cable