

# 8CCH0006.11230-1

## 1 General information

- Can be used in cable drag chains
- Assembled specifically for use with ACOPOSremote/ACOPOSmotor drive systems
- Hybrid connector system for secure connections
- Connector inserts in both hybrid connectors rotated 180° in order to allow an alternative cable outlet

## 2 Order data


| Model number     | Short description  | Figure   |
|------------------|--|--|
|                  | <b>Hybrid cables</b>   |  |
| 8CCH0006.11230-1 | Hybrid cable, length 6 m, 2x 2x 0.34 mm <sup>2</sup> + 4x 0.75 mm <sup>2</sup> + 5x 2.5 mm <sup>2</sup> , 2x 15-pin female TYCO connector, connector insert rotated 180°, can be used in cable drag chains |  |

Table 1: 8CCH0006.11230-1 - Order data

## 3 Technical data

| Model number               | 8CCH0006.11230-1   |
|----------------------------|--|
| <b>General information</b> |  |
| Cable cross section        | 5x 2.5 mm <sup>2</sup> + 2x 2x 0.75 mm <sup>2</sup> + 2x 2x 0.34 mm <sup>2</sup> / 1.55- 100 VZN |
| Durability                 | In preparation   |
| Short description          | Connector insert in both hybrid connectors rotated 180° degrees                                  |
| Certification              | E130266 cURus AWM Style 20234, 80°C, 1000 V and CSA C22.2 no. 210.2 I/II A/B, FT1 <sup>1)</sup>  |
| <b>Certifications</b>      |  |
| CE                         | Yes  |
| UL                         | cULus E225616<br>Power conversion equipment  |
| <b>Cable construction</b>  |  |
| <b>Power lines</b>         |  |
| Quantity                   | 5  |
| Wire insulation            | PE   |
| Wire colors                | Black, red, brown, white, yellow/green   |
| Variant                    | Tinned copper stranded wire  |
| Cross section              | 2.5 mm <sup>2</sup>  |
| Shield                     | No   |
| Stranding                  | No   |
| <b>Signal line</b>         |  |
| Quantity                   | 4  |
| Wire insulation            | PE   |
| Wire colors                | Pink/Blue, violet/gray   |
| Variant                    | Tinned copper stranded wire  |
| Cross section              | 0.75 mm <sup>2</sup>   |
| Shield                     | No   |
| Stranding                  | No   |

Table 2: 8CCH0006.11230-1 - Technical data

| Model number  | 8CCH0006.11230-1  |
|---|---|
| Data lines  |   |
| Quantity  | 4   |
| Wire insulation   | PE  |
| Wire colors   | VZN (cat. 5)  |
| Variant   | Tinned copper stranded wire   |
| Cross section   | 0.34 mm <sup>2</sup>  |
| Shield  | Yes   |
| Stranding   | Yes   |
| Cable stranding   | With filler elements and foil shield  |
| Cable shield  | Tinned copper braiding, optical coverage >85% with foil shield  |
| Outer jacket  |   |
| Material  | PUR   |
| Color   | Orange, similar to RAL 2003 flat  |
| Labeling  | B&R 5x2.5 + 2x2x0.75 + (1x4x22AWG) * E130266 cURus AWM STYLE 20234 * AWM I/II A/B 80°C 1000 V FT1 * "internal lot number" <sup>1)</sup> |
| <b>Connector</b>  |   |
| Type  | 15-pin female TYCO connector  |
| Mating cycles   | Max. 20   |
| Contacts  | 15  |
| Degree of protection per EN 60529                           | IP65  |
| <b>Electrical properties <sup>1)</sup></b>                  |   |
| Operating voltage   | Power lines: ≤1000 V<br>Signal lines: ≤1000 V<br>Data lines: ≤100 V   |
| Test voltage  |   |
| Wire/Wire   | 2.5 mm <sup>2</sup> : 3 kV<br>0.75 mm <sup>2</sup> : 2 kV<br>0.34 mm <sup>2</sup> : 2 kV  |
| Wire/Shield   | 2.5 mm <sup>2</sup> : 3 kV<br>0.75 mm <sup>2</sup> : 1 kV<br>0.34 mm <sup>2</sup> : 1 kV  |
| Conductor resistance  |   |
| Power lines   | ≤8 Ω/km   |
| Signal line   | ≤26 Ω/km  |
| Data lines  | ≤56 Ω/km  |
| Insulation resistance                                       | ≥500 MΩ*km  |
| Current-carrying capacity per DIN VDE 0298 part 4, table 11 |   |
| Wall mounting   | 23.7 A  |
| Installed in conduit or cable duct                          | 27.3 A  |
| Installed in cable tray                                     | 29.1 A  |
| <b>Ambient conditions <sup>1)</sup></b>                     |   |
| Temperature   |   |
| Moving  | -40°C to +80°C  |
| Static  | -40°C to +80°C  |
| <b>Mechanical properties <sup>1)</sup></b>                  |   |
| Dimensions  |   |
| Length  | 6 m   |
| Diameter  | 14.6 mm ± 0.4 mm  |
| Bend radius   |   |
| Single bend   | >60 mm  |
| Moving  | ≥150 mm   |
| Drag chain data   |   |
| Acceleration  | Max. 50 m/s <sup>2</sup> (depends on the length of the travel path)   |
| Flex cycles   | ≥5,000,000  |
| Speed   | Max. 300 m/min  |
| Weight  | 2.1 kg  |

Table 2: 8CCH0006.11230-1 - Technical data

1) Specified values refer to the raw cable being used.

## 4 Wiring

### 4.1 Cable construction

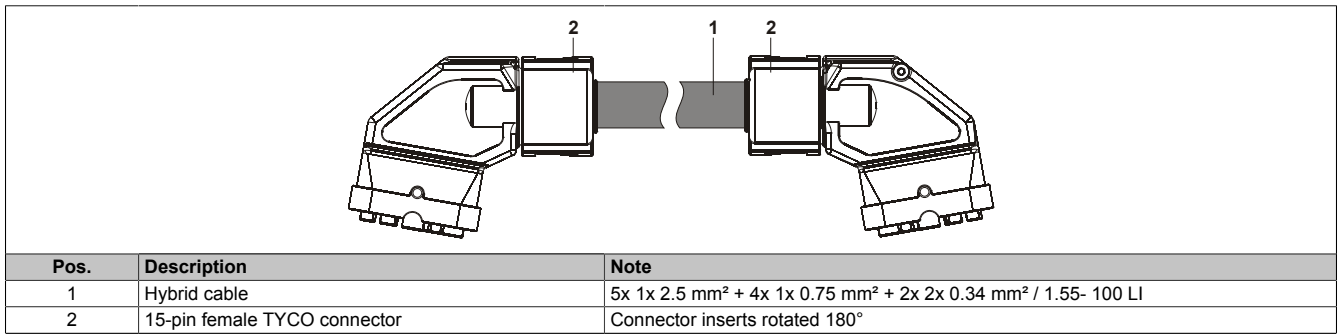


Table 3: Hybrid cables - Cable construction

### 4.2 Cable diagram

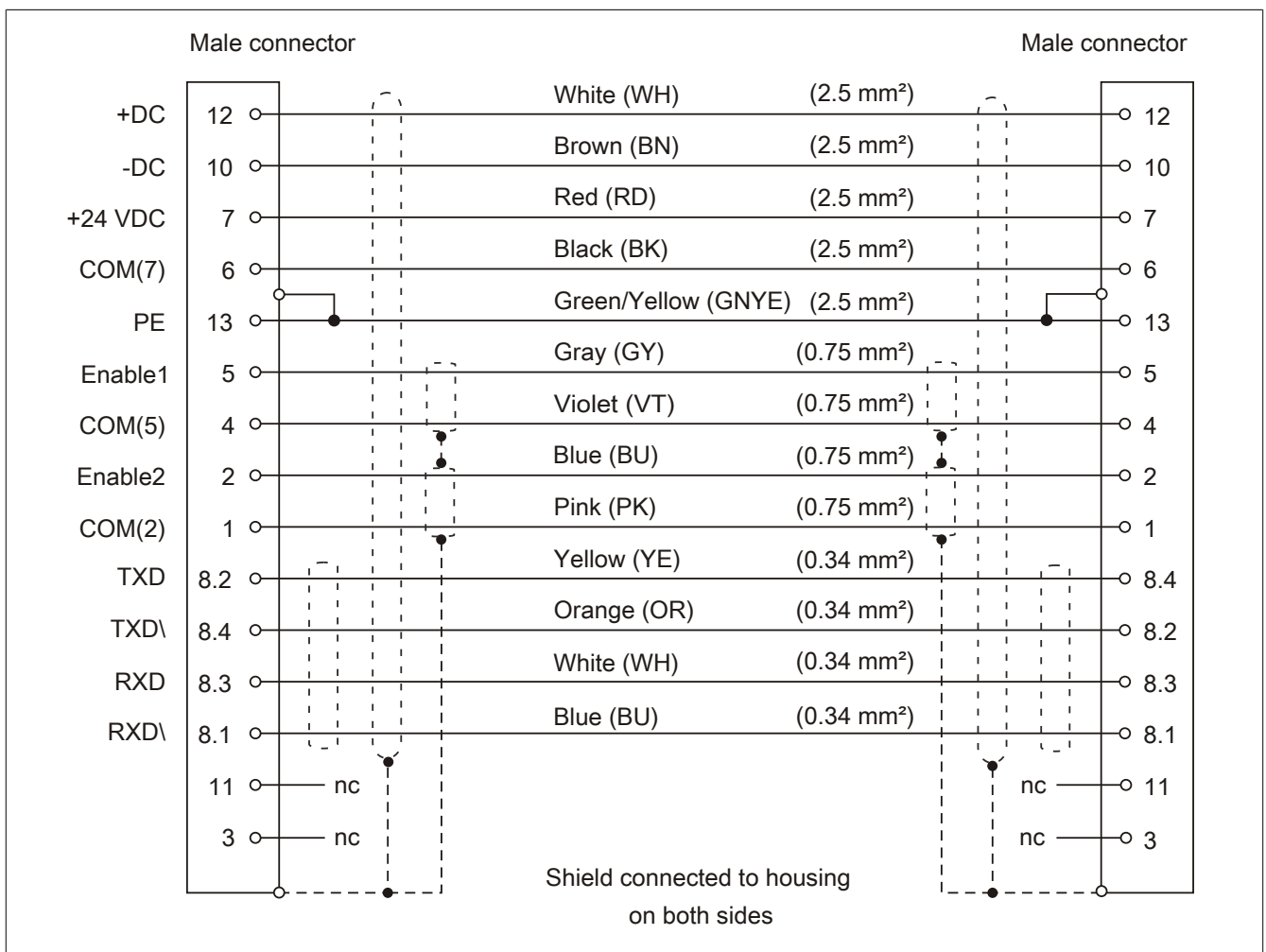


Figure 1: Hybrid cables - Cable diagram