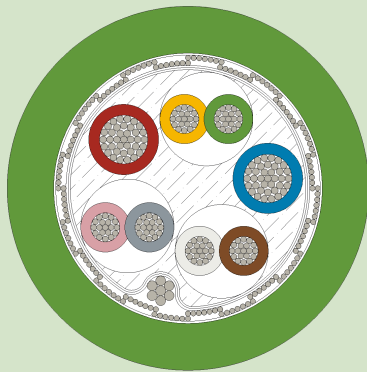


## DYNAMIC APPLICATION

# PMXX<sup>®</sup> PLUS ENCODER&RESOLVER 3



### APPLICATIVE FEATURES



**5 MILLION  
GUARANTEED CYCLES**



**50 M/S<sup>2</sup>  
ACCELERATION**



**25,0 M  
CABLE LENGTH**



**300 M/MIN  
TRAVEL SPEED**



**MINIMUM BENDING RADIUS**

**CROSS SECTION  
MIN (MM<sup>2</sup>)**

**CROSS SECTION  
MAX (MM<sup>2</sup>)**

**DYNAMIC  
INSTALLATION**

**STATIC  
INSTALLATION**

0.14

1.00

7.0xØ

5.0xØ

### DESCRIPTION

High-performance UL/CSA certified flexible cables for data transmission of encoder and resolver devices, designed for dynamic application in high-speed drag chains, also suitable for permanently flexible applications that allow free movement without tensile stress and without motion control in dry, damp, and wet environments. The polyurethane outer jacket provides excellent resistance properties against mechanical stress and chemical agents, making these cables suitable for indoor or outdoor use, even in very low temperatures.

### APPROVALS



**AWM STYLE 21209  
90°C 300V**



**AWM I/II A/B 90°C  
300V**



**2014/35/CEE**



**2014/30/EU**



**2011/65/UE**



**1907/2006**



**IEC 60754-1 EN  
50267-1**

### TECHNICAL DATA



**STORAGE**  
-50 °C +90 °C  
**DYNAMIC**  
-30 °C +90 °C  
**STATIC**  
-40 °C +90 °C



**NOMINAL VOLTAGE**  
300 V (UL/CSA)



**TEST VOLTAGE**  
(C/C)  
2000 VRMS / 1 MIN (C/S)  
2000 VRMS / 1 MIN



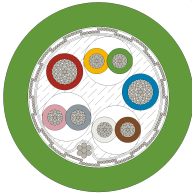
**INSULATION RESISTANCE**  
≥ 1 GOHM/KM

## CONSTRUCTION FEATURES

|                                          |                  |                                               |
|------------------------------------------|------------------|-----------------------------------------------|
| GROUP 1                                  | CONDUCTOR        | CL6 EXTRA-FLEXIBLE. TINNED COPPER             |
|                                          | INSULATION       | POLYPROPYLENE COMPOUND (PP)                   |
|                                          | INSULATION COLOR | COLOURS SEQUENCE REFERS TO DIN 47100 STANDARD |
| GROUP 2                                  | CONDUCTOR        | CL6 EXTRA-FLEXIBLE. TINNED COPPER             |
|                                          | INSULATION       | POLYPROPYLENE COMPOUND (PP)                   |
|                                          | INSULATION COLOR | COLOURS SEQUENCE REFERS TO DIN 47100 STANDARD |
| OVERALL STRANDING (MXNXY+NXY)<br>SNCC/ST | FILLER           | FILLER POLYPROPYLENE COMPOUND (PP)            |
|                                          | SEPARATION LAYER | WRAPPING NON-WOVEN TAPE                       |
|                                          | SEPARATION LAYER | SHIELDED TAPE MYLAR/ALLUMINIUM                |
|                                          | DRAIN WIRE       | DRAIN WIRE TINNED COPPER                      |
|                                          | SCREEN           | SCREEN TINNED COPPER 85 % ± 5 %               |
|                                          | SEPARATION LAYER | OVERALL STRANDING NON-WOVEN TAPE              |
|                                          | SHEATH           | POLYURETHANE COMPOUND (TMPU)                  |
|                                          | SHEATH COLOUR    | GREEN, RAL: 6018, DESINA: YES                 |
|                                          |                  |                                               |
| OVERALL STRANDING (MXNXY+NXY)<br>CCST    | FILLER           | FILLER POLYPROPYLENE COMPOUND (PP)            |
|                                          | SEPARATION LAYER | WRAPPING NON-WOVEN TAPE                       |
|                                          | DRAIN WIRE       | DRAIN WIRE TINNED COPPER                      |
|                                          | SCREEN           | SCREEN TINNED COPPER 85 % ± 5 %               |
|                                          | SEPARATION LAYER | OVERALL STRANDING NON-WOVEN TAPE              |
|                                          | SHEATH           | POLYURETHANE COMPOUND (TMPU)                  |
|                                          | SHEATH COLOUR    | GREEN, RAL: 6018, DESINA: YES                 |
|                                          |                  |                                               |
|                                          |                  |                                               |

## PRODUCTS FEATURES

|                                                                                     |                                                                                                                                                                    |                                                                                     |                                                                                             |                                                                                       |                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|  | <b>FIRE PERFORMANCE</b><br>SELF-EXTINGUISHING AND FLAME<br>RETARDANT ACC. TO DIN VDE 0482-<br>332-1-2<br>IEC 60332-1-2<br>UL CABLE FLAME<br>VW-1 (UL)<br>FT1 (CSA) |  | <b>OIL PERFORMANCE</b><br>VDE 0473-811-404<br>IEC 60811-404<br>CEI EN 50363-10-2<br>UL 1581 |  | <b>UV PERFORMANCE</b><br>ISO 4892-2<br>ASTM-D-2565-16<br>EN 50289-4-17 |
|  | <b>WATER PERFORMANCE</b><br>UL 1581<br>IEC 60811-1-3                                                                                                               |  | <b>COLD PERFORMANCE</b><br>EN 60811-1-4                                                     |  | <b>ABRASION PERFORMANCE</b><br>ASTM D 4060                             |
|  | <b>MUD PERFORMANCE</b><br>NEK 606                                                                                                                                  |  | <b>MICROBE PERFORMANCE</b><br>VDE 0282-10                                                   |  | <b>HOZONE PERFORMANCE</b><br>EN 50396-8-1-3                            |

| REFERENCE<br>DRAW                                                                   | TECO<br>CODE | N° CORES X CROSS-<br>SECTION                           | CUT | ROLLS<br>(M) | DRUMS<br>(M) | EXT Ø<br>(MM) | WEIGHT<br>(KG/KM) | INS. COLOUR EXC                                                      |
|-------------------------------------------------------------------------------------|--------------|--------------------------------------------------------|-----|--------------|--------------|---------------|-------------------|----------------------------------------------------------------------|
|  | 46683        | (3X2X0,14+2X0,34)SNCC/ST<br>(3X2XAWG26+2XAWG22)SNCC/ST | ✓   | 100          | 500          | 7             | 70                | GROUP 1 3X2X0,14 : WH-BN,<br>GN-YE, GY-PK GROUP 2<br>2X0,34 : BU, RD |
|  | 46688        | (3X2X0,25+2X0,50)CCST<br>(3X2XAWG24+2XAWG21)CCST       | ✓   | 100          | 500          | 7.8           | 90                | GROUP 1 3X2X0,25 : WH-BN,<br>GN-YE, GY-PK GROUP 2<br>2X0,50 : BU, RD |
|  | 46689        | (3X2X0,34+2X0,50)CCST<br>(3X2XAWG22+2XAWG21)CCST       | ✓   | 100          | 500          | 8.6           | 110               | GROUP 1 3X2X0,34 : WH-BN,<br>GN-YE, GY-PK GROUP 2<br>2X0,50 : BU, RD |

TE.CO. reserves the right to make changes to any of the products without, however, affecting the essential technical features. Unless specified otherwise, all the product ratings stated are nominal ratings. The RAL colour code is provided for illustrative purposes only.

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11-05-25

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