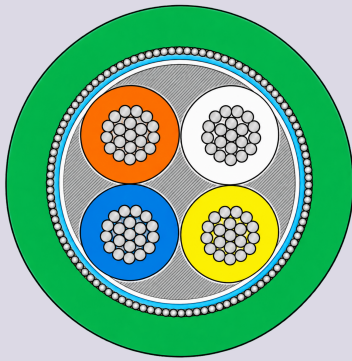


## DYNAMIC APPLICATION

# PMMXX<sup>®</sup>

## PROFINET Type R cat.5e (SF/UTP)



### APPLICATIVE FEATURES



**5 MILLION  
GUARANTEED CYCLES**



**7M/SEC<sup>2</sup>  
ACCELERATION**



**180M/MIN  
TRAVEL SPEED**



**± 180°/M  
TORSION**



**MINIMUM BENDING RADIUS**

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

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

**DYNAMIC  
INSTALLATION**

**STATIC  
INSTALLATION**

0.34

0.50

10xØ

15xØ



EtherNet/IP<sup>™</sup>

EtherCAT<sup>®</sup>

### DESCRIPTION

UL/CSA certified flexible cables for industrial ETHERNET Data transmission devices, designed for Dynamic applications in drag chains and also on robotic torsional application. The construction of these cables is designed to limit electromagnetic interference, matching the CATEGORY 5E ETHERNET standard. The polyurethane outer jacket provides good resistance to mechanical stress and chemical agents.

### APPROVALS



**AWM STYLE 20233 80°C  
300V  
File E244280**



**AWM I A/B 80°C 300V**



**2014/35/CEE**



**2014/30/EU**



**2011/65/UE**



**1907/2006**



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

### TECHNICAL DATA



**DYNAMIC  
-40°C / +80°C  
STATIC  
-50°C / +80°C**



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



**TEST VOLTAGE  
1500V (C/C)  
1500V (C/S)**



**INSULATION RESISTANCE  
≥ 1GΩ/KM**



**NOMINAL IMPEDANCE  
100Ω  
EN 50289-1-11**

CONSTRUCTION FEATURES

|                   |                   |                                                                                |
|-------------------|-------------------|--------------------------------------------------------------------------------|
| SIGNAL            | CONDUCTOR         | CL6 EXTRA-FLEXIBLE (IEC60228)<br>TINNED COPPER                                 |
|                   | INSULATION        | POLYETHYLENE (PE)                                                              |
|                   | INSULATION COLOUR | CLOCKWISE SEQUENCE<br>WHITE-YELLOW-BLUE-ORANGE<br>PAIRS IN STAR QUAD POSITION. |
| OVERALL STRANDING | FILLER            | FILLER POLYPROPYLENE                                                           |
|                   | SEPARATION LAYER  | TAPE NON-WOVEN TAPE                                                            |
|                   | SHEATH            | INNER SHEATH TPE                                                               |
|                   | SCREEN            | TAPE SHIELD MYLAR - ALLUMINIUM OUTSIDE 100 % ± 20 %                            |
|                   | SCREEN            | SPIRAL WRAP TINNED COPPER 90 % ± 5 %                                           |
|                   | SEPARATION LAYER  | TAPE NON-WOVEN TAPE                                                            |
|                   | SHEATH            | POLYURETHANE (TPU)                                                             |
|                   | SHEATH COLOUR     | GREEN, RAL: 6018, DESINA: YES                                                  |

PRODUCTS FEATURES

|                                                                                                                                         |                                                                                                                                                       |                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>FIRE PERFORMANCE</b><br>IEC 60332-1-2<br>FT1 (CSA) |  <b>OIL PERFORMANCE</b><br>IEC 60811-404<br>EN 50363-10-2<br>UL 1581 |  <b>UV PERFORMANCE</b><br>ISO 4892-3<br>EN 50289-4-17<br>ASTM-D-2565-16   |
|  <b>COLD PERFORMANCE</b><br>EN 60811-1-4               |  <b>ABRASION PERFORMANCE</b><br>ASTM D4060<br>ASTM D5963             |  <b>MUD PERFORMANCE</b><br>IEC 60092-360 ANNEX D<br>IEC 60092-360 ANNEX C |
|  <b>MICROBE PERFORMANCE</b><br>VDE 0282-10            |  <b>HOZONE PERFORMANCE</b><br>EN 50396 (SEC. 8.1.3)                 |  <b>HYDROCARBONS PERFORMANCE</b><br>ISO 1817                             |

| TECO CODE | OEM REF.              | N° CORES X CROSS-SECTION | CAPACITANCE (NF/KM) | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|-----------------------|--------------------------|---------------------|-----|-----------|-----------|------------|----------------|
| 56510     | SIEMENS<br>6XV1840-2R | (1X4XAWG22/19)ST         | 0.05                | ✓   | 100       | 500       | 6.5        | 60             |

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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