

# DYNAMIC APPLICATION

## PMXX® ETHERNET 1000V CAT.5E

### APPLICATIVE FEATURES



**UP TO 3 MIO  
GUARANTEED CYCLES**



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



**15M  
CABLE LENGTH**



**200 M/MIN  
TRAVEL SPEED**



**MINIMUM BENDING RADIUS**

CROSS  
SECTION

CROSS SECTION  
MAX

DYNAMIC  
INSTALLATION

STATIC  
INSTALLATION

10x∅

7x∅

### APPROVALS



AWM STYLE 21223  
80°C 1000V

E244280



AWM I/II A/B 80°C  
1000V



2014/35/CEE



2014/30/EU



2011/65/UE



IEC 60754-1

### TECHNICAL DATA



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



NOMINAL VOLTAGE 1000V (UL)  
MAX OPERATING VOLTAGE 100V  
EN 50288-2-1 / 2-2



TEST VOLTAGE 1000V (EU);  
3000V (UL)  
TEST VOLTAGE REFERENCE  
ACC.TO IEC 61156-5, EN 50288-  
2-1 / 2-2 (EU)



INSULATION RESISTANCE ≥1  
GOHM/KM



NOMINAL IMPEDANCE  
100±15% OHM



ATTENUATION

26 AWG

MHz

dB/100m

1.00 MHz

4

4.00 MHz

7.4

10.00 MHz

11.2

16.00 MHz

14

20.00 MHz

16.2

31.00 MHz

20.1

62.50 MHz

28.6

100.00 MHz

35.7

155.52 MHz

200.00 MHz

250.00 MHz

## CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER.
	INSULATION	POLYETHYLENE COMPOUND (PE)
	INSULATION COLOR	ORANGE-WHITE/ORANGE*, GREEN-WHITE/GREEN*, BLUE-WHITE/BLUE*, BROWN-WHITE/BROWN*. *RING BICOLOR.
STRANDING	FILLER	FILLER NOT HYGROSCOPIC, PRODUCED OUT OF SUITABLE MATERIALS
	SEPARATION LAYER	TAPE POLYETHYLENE COMPOUND (PE)
	SCREEN	SHIELDED BRAID TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	SHIELDED TAPE ALUMINIUM/NON WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	GREEN , RAL: 6016, DESINA: NO

## PRODUCTS FEATURES



**FIRE PERFORMANCE**  
FT1(CSA); IEC 60332-1-2(EU)



**OIL PERFORMANCE**  
VDE 0473-811-404, IEC 60811-404,  
(EU) CEI EN 50363-10-2, 1581 (UL)



**UV PERFORMANCE**  
ACCORDING TO ISO 4892-2, EN  
50289-4-17, ASTM-D-2565-16



**HYDROCARBONS PERFORMANCE**  
UL 1581; EN 50267-2-1

TECO CODE	FORMATION	CAPACITANCE [NF/KM]	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
37446	(4X2XAWG26)ST/SN	0.06	✓	100	500/1000	6.8	53

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