

# DYNAMIC APPLICATION

## PMXX®

### ETHERNET 1000V CAT.6 CMX

#### APPLICATIVE FEATURES



10 M/SEC<sup>2</sup>  
ACCELERATION



15 M  
CABLE LENGTH



200 M/MIN  
TRAVEL SPEED



MINIMUM BENDING RADIUS

CROSS SECTION

CROSS SECTION MAX

DYNAMIC INSTALLATION

STATIC INSTALLATION

10.0xØ

7.5xØ

#### APPROVALS



TYPE CMX 75°C  
300V



AWM STYLE 21576  
80°C 1000V



AWM I/II A/B 80°C  
1000V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006



IEC 60754-1

#### TECHNICAL DATA



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



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



NOMINAL VOLTAGE 1000V (RU);  
300V (UL)  
MAX OPERATING VOLTAGE 100V  
EN 50288-5-1 / 5-2



INSULATION RESISTANCE >1  
GOHM/KM



NOMINAL IMPEDANCE  
100±15% OHM



ATTENUATION

26 AWG

MHz

dB/100m

1.00 MHz

3.1

4.00 MHz

5.8

10.00 MHz

9.0

16.00 MHz

11.4

20.00 MHz

12.8

31.00 MHz

15.8

62.50 MHz

23.3

100.00 MHz

29.9

155.52 MHz

38.1

200.00 MHz

43.8

250.00 MHz

49.7

## CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER.
	INSULATION	EXPANDED POLYETHYLENE (PEE)
	INSULATION COLOR	ORANGE-WHITE/ORANGE*, GREEN-WHITE/GREEN*, BLUE-WHITE/BLUE*, BROWN-WHITE/BROWN*. *RING BICOLOR.
	SOLID SEPARATION	PVC COMPOUND.
OVERALL STRANDING	SEPARATION LAYER	SHIELD TAPE MYLAR INSIDE - ALLUMINIUM OUTSIDE
	SCREEN	SHIELD BRAID TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	GREEN , RAL: 6016, DESINA: NO

## PRODUCTS FEATURES



### FIRE PERFORMANCE

VW-1(UL); FT2(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

EN 50267-2-1

TECO CODE	OEM REF.	FORMATION	CAPACITANCE [NF/KM]	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
38736	SIEMENS 6XV1878-2C/B	(4X2XAWG26)SN/ST	0.06	✓	100	500/1000	7.2	64

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