

# DYNAMIC APPLICATION

## PMXX®

### PROFINET-ETHERCAT 1000V CAT.5E

#### APPLICATIVE FEATURES



**10,0M/S<sup>2</sup>**  
**ACCELERATION**



**15,0M**  
**CABLE LENGTH**



**200,0M/MIN**  
**TRAVEL SPEED**



**MINIMUM BENDING RADIUS**

CROSS SECTION

CROSS SECTION MAX

DYNAMIC INSTALLATION

STATIC INSTALLATION

10xØ

6xØ

#### APPROVALS



AWM STYLE 21223  
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



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  
≥500MOHM/KM



NOMINAL IMPEDANCE  
100±15% OHM



ATTENUATION

22 AWG

MHz

dB/100m

1.00 MHz

2.4

4.00 MHz

4.9

10.00 MHz

8.5

16.00 MHz

9.9

20.00 MHz

11.1

31.00 MHz

14.1

62.50 MHz

20.5

100.00 MHz

25.5

155.52 MHz

200.00 MHz

250.00 MHz

## CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYETHYLENE COMPOUND (PE)
	INSULATION COLOR	CLOCKWISE SEQUENCE: WHITE, YELLOW, BLUE, ORANGE PAIRS IN STAR QUAD POSITION.
OVERALL STRANDING	SEPARATION LAYER	TAPE POLYPROPYLENE TRANSPARENT PP
	SHEATH	INTERMEDIATE SHEATH TPE
	SEPARATION LAYER	SHILDED TAPE MYLAR INSIDE - ALLUMINIUM OUTSIDE
	SCREEN	SHIELD BRAID TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE TNT NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	GREEN , RAL: 6018, 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	OEM REF.	FORMATION	CAPACITANCE [NF/KM]	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
36855	SIEMENS 6XV1870-2D	(1X4XAWG22/19)Q-M- SN-ST	0.06	✓	100	500	6.7	63

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.  
Company managed and coordinated by Fangen S.r.l.. All rights reserved. No reproduction permitted without written permission from TE.CO. Tecnologia Commerciale S.p.A.