

DYNAMIC APPLICATION

PMXX®

PROFINET-ETHERCAT 1000V CAT.5E

APPLICATIVE FEATURES



10,0M/S²
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

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