

# STATIC APPLICATION

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

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

CROSS SECTION

CROSS SECTION MAX

DYNAMIC INSTALLATION

STATIC INSTALLATION

6xØ

### APPROVALS



AWM STYLE 2570  
80°C 1000V



AWM I/II A/B 80°C  
1000V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

### TECHNICAL DATA



INSTALLATION -5°C +80°C  
STATIC -30°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  $\geq 500$   
MOHM/KM



NOMINAL IMPEDANCE  
100 $\pm$ 15% OHM



#### ATTENUATION

22 AWG

MHz

dB/100m

1.00 MHz

1.9

4.00 MHz

3.9

10.00 MHz

6.2

16.00 MHz

7.8

20.00 MHz

8.8

31.00 MHz

10,7

62.50 MHz

14.8

100.00 MHz

18.9

155.52 MHz

200.00 MHz

250.00 MHz

## CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL2 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 PET - POLYESTER.
	SHEATH	SHEATH INTERMEDIATE TPE
	SEPARATION LAYER	SHILDED TAPE MYLAR INSIDE - ALLUMINIUM OUTSIDE
	SCREEN	SHIELD BRAID TINNED COPPER 85 % ± 5 %
	SHEATH	PVC COMPOUND.
	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

TECO CODE	OEM REF.	FORMATION	CAPACITANCE [NF/KM]	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
37488	SIEMENS 6XV1870-2BU10	(1X4XAWG22/7)Q-R-SN-ST	0.05	✓	100	500	6.5	63

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