

STATIC APPLICATION

FE ETHERNET PVC 1000V CAT.7 CMX

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS
SECTION

CROSS SECTION
MAX

DYNAMIC
INSTALLATION

STATIC
INSTALLATION

8xØ

APPROVALS



TYPE CMX 75°C
300V



AWM STYLE 20886
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



TEST VOLTAGE 1000V (EU);
3000V (UL)
TEST VOLTAGE REFERENCE
ACC.TO IEC 61156-5, EN 50288-
4-1/4-2 (EU)



NOMINAL IMPEDANCE
100±15% OHM AT 100MHZ



ATTENUATION



NOMINAL VOLTAGE 1000V (RU);
300V(UL)
MAX OPERATING VOLTAGE 100V
EN 50288-4-1/4-2



INSULATION RESISTANCE ≥500
MOHM/KM (100V+500V)

	26 AWG	23 AWG
MHz	dB/100m	dB/100m
1.00 MHz	3.00	2.90
4.00 MHz	5.60	5.50
10.00 MHz	8.80	8.50
16.00 MHz	11.10	10.80
20.00 MHz	12.40	12.10
31.00 MHz	15.50	15.20
62.50 MHz		21.70
100.00 MHz	28.50	27.80
155.52 MHz	36.00	35.00
200.00 MHz	41.20	40.10
250.00 MHz		

CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL2 FLEXIBLE. BARE COPPER.
	INSULATION	EXPANDED POLYETHYLENE (PEE)
	INSULATION COLOR	WHITE-ORANGE, WHITE-GREEN, WHITE-BLUE, WHITE-BROWN.
	SEPARATIONLAYER	SHIELDED TAPE MYLAR INSIDE - ALLUMINIUM OUTSIDE
OVERALL STRANDING 38733	SCREEN	SHIELD BRAID 65% TINNED COPPER 65 % ± 5 %
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GREEN , RAL: 6016, DESINA: NO
OVERALL STRANDING 39873	SCREEN	SHIELD BRAID 85% TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GREEN , RAL: 6018, DESINA: NO

PRODUCTS FEATURES

FIRE PERFORMANCE

COD: 39873
VW-1(UL); FT2(CSA); IEC 60332-1-2(EU)
COD: 38733
VW-1(UL); 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]
38733	SIEMENS 6XV1878-2E	[4X(2XAWG26/7)SN]ST	45	✓	100/200	500	6.3	48
39873		[4X(2XAWG23/7)SN]ST	55	✓	100	500	8.7	83

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.

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