

STATIC APPLICATION

TC-ER POWER&CONTROL MULTICORE NYLON-SH

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	70.00	20xø(occasional flexing)	6xø

APPROVALS



TC-ER 90°C 600V



MTW 90°C 600V



WTTC 90°C 1000V



AWM STYLE 20886
90°C 1000V



CSA CIC-TC-ER
90°C 600V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

TECHNICAL DATA



STATIC -40°C +90°C
OCCASIONAL FLEXING -5°C
+90°C



TEST VOLTAGE 2000V*; 3000V**
TEST VOLTAGE REFERENCE
*ACC. TO 1277 TAB. 14.1; **ACC.
TO UL 758 TAB 29.1



INSULATION RESISTANCE \geq
200 MOHM/KM

CONSTRUCTION FEATURES

POWER CONDUCTORS

CONDUCTOR

CL5 FLEXIBLE.
BARE COPPER.

INSULATION

PVC COMPOUND.

INSULATION COLOR

BLACK CORE WITH WHITE PRINTED
NUMBER + GREEN YELLOW

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

TAPE POLYESTER
POLYESTER TRANSPARENT.

SEPARATION LAYER

TAPE POLYESTER ALLUMINIUM
POLYESTER INSIDE / ALLUMINIUM
OUTSIDE

DRAIN WIRE

DRAIN WIRE
TINNED COPPER

OVERALL STRANDING

SCREEN

SCREEN
TINNED COPPER
85 % \pm 5 %

SHEATH

PVC COMPOUND.

SHEATH COLOUR

MATTE BLACK
, RAL: 9005, DESINA: NO

PRODUCTS FEATURES

FIRE PERFORMANCE

UL 1581 SECTION 1160 (UL VERTICAL-TRAY FLAME TEST)
CSA FT4, FT1, FT2
UL 1581 VW-1 / CABLE FLAME TEST
UL 1685 – FT4/IEEE 1202 VERTICAL FLAME TEST
IEC 60332-1-2



OIL PERFORMANCE
OIL RESISTANCE I



UV PERFORMANCE
SUN RESISTANT (UL)



WATER PERFORMANCE

UL 90°C DRY
UL 75°C WET (FOR SECTION >1.5MM2)



MUD PERFORMANCE
DIRECT BURIAL (FOR SECTION > 1.5MM2)
EXPOSED RUN FOR UL1277

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
46722	(3G1,00)ST (3GAWG18)ST	✓	100	500	8.1	93
46725	(4G1.50)ST (4GAWG16)ST	✓	100	500	9.2	154
46726	(4G2,50)ST (4GAWG14)ST	✓		500	10.5	210
46727	(4G4,00)ST (4GAWG12)ST	✓		500	11.65	280
46728	(4G6,00)ST (4GAWG10)ST	✓		500	14.9	445
46723	(5G1,00)ST (5GAWG18)ST	✓	100	500	9.3	135
46724	(7G1,00)ST (7GAWG18)ST	✓		500	10.1	165

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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