

STATIC APPLICATION

TC-ER POWER&CONTROL MULTICORE NYLON

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	70.0015xø(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



2011/65/UE
2015/863/UE

TECHNICAL DATA



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



NOMINAL VOLTAGE 1000V (UL
AWM); 600V (UL MTW); 1000V
(UL WTTC); 0,6/1KV(IEC/VDE)



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

OVERALL STRANDING

TALC

TALC POWDER

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° 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]
46708	2X1,00 2XAWG18	✓	100	500	6.9	82
46709	3G1,00 3GAWG18	✓	100	500	7.3	86
46714	3G1,50 3GAWG16	✓	100	500	7.9	105
46718	3G2,50 3GAWG14	✓	100	500	8.8	150
46710	4G1,00 4GAWG18	✓	100	500	7.9	100
46715	4G1,50 4GAWG16	✓	100	500	8.6	125
46719	4G2,50 4GAWG14	✓	100/200	500	9.5	175
46721	4G4,00 4GAWG12	✓	100/200	500	11	250
46711	5G1,00 5GAWG18	✓	100	500	8.5	120
46716	5G1,50 5GAWG16	✓	100	500	9.4	153
46720	5G2,50 5GAWG14	✓		500	10.5	215
46712	7G1,00 7GAWG18	✓	100	500	9.2	150
46717	7G1,50 7GAWG16	✓	100/200	500	10.2	190
46713	12G1,00 12GAWG18	✓		500	12	240

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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