

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



LISTED
E471679

TC-ER 90°C 600V



LISTED
E471678

MTW 90°C 600V



LISTED
E471678

WTTC 90°C 1000V



E244280

AWM STYLE 20886
90°C 1000V



CSA CIC-TC-ER
90°C 600V



2014/35/CEE



2011/65/UE



1907/2006

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

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