

# 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)		6.0xø

### 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



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



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



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

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