

# STATIC APPLICATION

## TC-ER POWER&CONTROL MULTICORE

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	95.00	occ. flexing 15 x Ø	6.0xØ

### APPROVALS



TC-ER 90°C 600V



MTW 90°C 600V



AWM STYLE 21179  
90°C 1000V



AWM I/II A/B 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 UL AWM =  
90°C 1000 V; UL TC-ER / MTW =  
600 V; IEC/VDE = 600/1000 V;  
CSA = 90°C 1000 V; CSA CIC/TC -  
ER = 90°C 600 V



TEST VOLTAGE 2000V (ACC. TO  
UL 1277 TAB. 14.1) - 4000V (ACC.  
TO UL 758 TAB. 29.1)



INSULATION RESISTANCE ≥ 200  
MΩ X KM

### CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL5 FLEXIBLE. BARE COPPER.
	INSULATION	PVC COMPOUND.
	INSULATION COLOR	BLACK CORE WITH WHITE PRINTED NUMBER + GREEN YELLOW
OVERALL STRANDING	FILLER	FILLER NOT HYGROSCOPIC, PRODUCED OUT OF SUITABLE MATERIALS
	TALC	TALC POWDER
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GRAY , RAL: 7001, DESINA: NO

## PRODUCTS FEATURES

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### 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 RES I, UL 1277, UL 1063 , VDE 0473-811-404, IEC 60811-404, UL 1581



### UV PERFORMANCE

SUN RESISTANT UL 1277 TAB.20



### WATER PERFORMANCE

UL 90° DRY  
UL WET APPROVAL 75°C



### MUD PERFORMANCE

UL 1277 - DIR BUR (DIRECT BURIAL) ACC. TO NFPA 70  
UL TYPE TC (TRAY CABLE) - ER (EXPOSED RUN) ACC. TO UL 1277



TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
27383	<b>2X1,00</b> 2XAWG18	✓	100	500	8	88
43303	<b>2X1,50</b> 2XAWG16	✓	100	500	8.6	110
27100	<b>3G1,00</b> 3GAWG18	✓	100	500	8.4	100
27384	<b>3G1,50</b> 3GAWG16	✓		500	9.3	135
27385	<b>3G2,50</b> 3GAWG14	✓		500	10	170
34287	<b>3G4,00</b> 3GAWG12	✓		500	11.5	230
38734	<b>3G6,00</b> 3GAWG10	✓			12.5	310
27386	<b>4G1,00</b> 4GAWG18	✓	100	500	9.2	125
27387	<b>4G1,50</b> 4GAWG16	✓			9.8	160
27388	<b>4G2,50</b> 4GAWG14	✓		500	11	220
27389	<b>4G4,00</b> 4GAWG12	✓		500	12.5	290
27390	<b>4G6,00</b> 4GAWG10	✓			14.5	415
27391	<b>4G10,00</b> 4GAWG08	✓			18.8	683
27392	<b>4G16,00</b> 4GAWG06	✓			23.9	1115
36440	<b>4G25,00</b> 4GAWG04	✓			27.6	1610
28075	<b>4G35,00</b> 4GAWG02	✓			30.6	2048
39288	<b>4G50,00</b> 4GAWG01	✓			38	3070
36443	<b>4G70,00</b> 4GAWG2/0	✓			42	4245
43302	<b>4G95,00</b> 4GAWG3/0	✓			47	5200
34935	<b>5G1,00</b> 5GAWG18	✓			10	150
27544	<b>5G1,50</b> 5GAWG16	✓		500	10.9	190
28982	<b>5G2,50</b> 5GAWG14	✓		500	12.1	255
34936	<b>5G4,00</b> 5GAWG12	✓			14.5	382
38735	<b>5G6,00</b> 5GAWG10	✓			16	505
43304	<b>5G10,00</b> 5GAWG08	✓			20.8	860
43306	<b>5G25,00</b> 5GAWG04	✓			30.4	2000
27099	<b>7G1,00</b> 7GAWG18	✓		500	11	185
27545	<b>7G1,50</b> 7GAWG16	✓		500	12	240
27546	<b>7G2,50</b> 7GAWG14	✓			13.2	320
36441	<b>7G4,00</b> 7GAWG12	✓			15.8	485
28983	<b>10G1,00</b> 10GAWG18	✓			14	270

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
27098	<b>12G1,00</b> 12AWG18	✓		500	15	335
27547	<b>12G1,50</b> 12GAWG16	✓			16.2	420
27548	<b>12G2,50</b> 12GAWG14	✓			17.5	580
39266	<b>16G1,00</b> 16GAWG18	✓			16.4	413
28984	<b>18G1,00</b> 18GAWG18	✓			17.4	465
27549	<b>18G1,50</b> 18GAWG16	✓			19	590
36436	<b>18G2,50</b> 18GAWG14	✓			21.1	820
28985	<b>25G1,00</b> 25GAWG18	✓			20.2	615
27550	<b>25G1,50</b> 25GAWG16	✓			22.8	785
39265	<b>25G2,50</b> 25GAWG14	✓			25.2	1170
39267	<b>34G1,00</b> 34GAWG18	✓			24.3	890
39268	<b>41G1,00</b> 41GAWG18	✓			25.8	1040

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