

# STATIC APPLICATION

## TC-ER POWER&CONTROL MULTICORE-SH

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	95.00	occ. flexing 15xø	6xø

### 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



2014/30/EU



2011/65/UE  
2015/863/UE

### 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

#### SEPARATION LAYER

TAPE  
POLYESTER TRANSPARENT.

#### SCREEN

SCREEN  
TINNED COPPER  
85 % ± 5 %

#### 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]
36437	(2X1,00)ST (2XAWG18)ST	✓	100	500	8.6	95
27551	(3G1,00)ST (3GAWG18)ST	✓	100	500	9	120
27552	(3G1,50)ST (3GAWG16)ST	✓		500	9.2	130
34337	(3G2,50)ST (3GAWG14)ST	✓		500	10.6	188
27553	(4G1,00)ST (4GAWG18)ST	✓		500	9.9	140
27554	(4G1,50)ST (4GAWG16)ST	✓		500	10.8	180
27555	(4G2,50)ST (4GAWG14)ST	✓		500/1000	11.7	240
27556	(4G4,00)ST (4GAWG12)ST	✓			13.3	330
27557	(4G6,00)ST (4GAWG10)ST	✓			15.3	475
27558	(4G10,00)ST (4GAWG08)ST	✓			19.8	766
27559	(4G16,00)ST (4GAWG06)ST	✓			25	1201
27560	(4G25,00)ST (4GAWG04)ST	✓			28.7	1694
36865	(4G35,00)ST (4GAWG02)ST	✓			31.5	2203
39292	(4G50,00)ST (4GAWG01)ST	✓			39	3100
43307	(4G70,00)ST (4GAWG2/0)ST	✓			44	4160
43308	(4G95,00)ST (4GAWG3/0)ST	✓			48.6	3960
27561	(5G1,00)ST (5GAWG18)ST	✓		500	10.6	170
30480	(5G1,50)ST (5GAWG16)ST	✓		500	11.7	240
28986	(7G1,00)ST (7GAWG18)ST	✓		500	11.7	211
27562	(7G1,50)ST (7GAWG16)ST	✓		500	12.7	270
27563	(7G2,50)ST (7GAWG14)ST	✓			14.5	390
39270	(7G4,00)ST (7GAWG12)ST	✓			16.2	545
34937	(12G1,00)ST (12GAWG18)ST	✓			15.7	350
27564	(12G1,50)ST (12GAWG16)ST	✓			17.2	445
27565	(12G2,50)ST (12GAWG14)ST	✓			18.6	606
39271	(12G4,00)ST (12GAWG12)ST	✓			21.4	815
39272	(18G1,00)ST (18GAWG18)ST	✓			18.2	485
39273	(18G1,50)ST (18GAWG16)ST	✓			20	625
39274	(18G2,50)ST (18GAWG14)ST	✓			23	848
39275	(18G4,00)ST (18GAWG12)ST	✓			26	1210
36438	(25G1,00)ST (25GAWG18)ST	✓			21	605

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
36439	(25G1,50)ST (25GAWG16)ST	✓			23.7	767

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