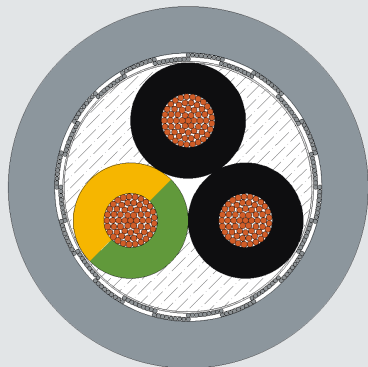


## STATIC APPLICATION

# TC-ER POWER&CONTROL MULTICORE-SH

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	120.00	occ. flexing 15x $\phi$	6.0x $\phi$

### 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



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  
 $\geq 200 \text{ M}\Omega \times \text{KM}$

### 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.
SEPARATION LAYER	TAPE POLYESTER TRANSPARENT.
SCREEN	SCREEN TINNED COPPER 85 % $\pm$ 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]	INS. COLOUR EXC
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	
36439	(25G1,50)ST (25GAWG16)ST	✓			23.7	767	

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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