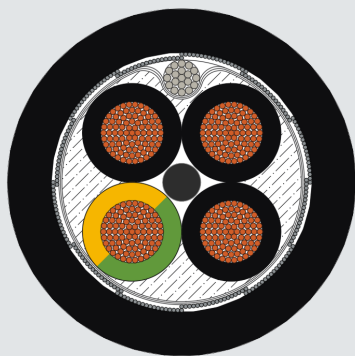


## STATIC APPLICATION



# TC-ER

## POWER&CONTROL MULTICORE NYLON-SH

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

| CROSS SECTION | CROSS SECTION MAX             | DYNAMIC INSTALLATION | STATIC INSTALLATION |
|---------------|-------------------------------|----------------------|---------------------|
| 1.00          | 95.0020xø(occasional flexing) |                      | 6.0xø               |

### APPROVALS



TC-ER 90°C 600V



MTW 90°C 600V



WTTC 90°C 1000V



AWM STYLE 20886  
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



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



INSULATION RESISTANCE  
>= 200 MOHM/KM

## CONSTRUCTION FEATURES

|                  |                   |  |
|------------------|-------------------|--|
| POWER CONDUCTORS | CONDUCTOR         | CL5 FLEXIBLE.<br>BARE COPPER.                                      |
|                  | INSULATION        | PVC COMPOUND.  |
|                  | INSULATION COLOR  | BLACK CORE WITH WHITE PRINTED NUMBER + GREEN YELLOW                |
|                  | FILLER            | FILLER<br>POLYPROPYLENE  |
|                  | SEPARATIONLAYER   | TAPE POLYESTER<br>POLYESTER TRANSPARENT.                           |
|                  | SEPARATIONLAYER   | TAPE POLYESTER ALLUMINIUM<br>POLYESTER INSIDE / ALLUMINIUM OUTSIDE |
|                  | DRAINWIRE         | DRAIN WIRE<br>TINNED COPPER  |
|                  | OVERALL STRANDING | SCREEN   |
|                  | 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°C DRY  
UL 75°C WET (FOR SECTION > 1.5MM<sup>2</sup>)



### MUD PERFORMANCE

DIRECT BURIAL (FOR SECTION > 1.5MM<sup>2</sup>)  
EXPOSED RUN FOR UL1277

| TECO CODE | FORMATION                 | CUT | ROLLS [M] | DRUMS [M] | EXT Ø [MM] | WEIGHT [KG/KM] |
|-----------|---------------------------|-----|-----------|-----------|------------|----------------|
| 46722     | (3G1,00)ST<br>(3GAWG18)ST | ✓   | 100       | 500       | 8.1        | 93             |
| 46725     | (4G1,50)ST<br>(4GAWG16)ST | ✓   | 100       | 500       | 9.2        | 154            |
| 46726     | (4G2,50)ST<br>(4GAWG14)ST | ✓   |           | 500       | 10.5       | 210            |
| 46727     | (4G4,00)ST<br>(4GAWG12)ST | ✓   |           | 500       | 11.65      | 280            |
| 46728     | (4G6,00)ST<br>(4GAWG10)ST | ✓   |           | 500       | 14.9       | 445            |
| 46723     | (5G1,00)ST<br>(5GAWG18)ST | ✓   | 100       | 500       | 9.3        | 135            |
| 46724     | (7G1,00)ST<br>(7GAWG18)ST | ✓   |           | 500       | 10.1       | 165            |

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.  
Company managed and coordinated by Fangen S.r.l. All rights reserved. No reproduction permitted without written permission from TE.CO. Tecnologia Commerciale S.p.A.