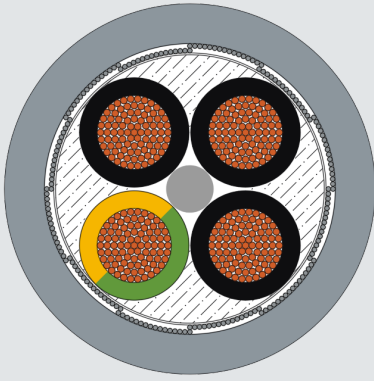


## STATIC APPLICATION



# TECNIFLEX<sup>®</sup>

## TFX MULTICORE SHIELDED (SH)

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

| CROSS SECTION<br>MIN (MM <sup>2</sup> ) | CROSS SECTION<br>MAX (MM <sup>2</sup> ) | DYNAMIC<br>INSTALLATION  | STATIC<br>INSTALLATION |
|-----------------------------------------|-----------------------------------------|--------------------------|------------------------|
| 0.50                                    | 120.00                                  | 20.0xØ (occ.<br>flexing) | 6.0xØ                  |

### DESCRIPTION

Shielded power and control cables for occasional flexing or static installation use, with medium mechanical stress resistance, even in the presence of industrial oil residues. Suitable for dry, damp, or wet environments. Designed for machine connections between control, regulation or measurement systems, computers, and assembly lines, with static or free movement applications without traction load or compulsory runners.

### APPROVALS



2014/35/CEE



2014/30/EU

CPR  
305/11



CPR ECA



2011/65/UE



1907/2006

### TECHNICAL DATA



**DURING INSTALLATION**  
0 °C +70 °C  
**STATIC**  
-40 °C +80 °C  
**OCCASIONAL FLEXING**  
-5 °C +70 °C



**NOMINAL VOLTAGE**  
450/750 V



**TEST VOLTAGE**  
4.0 KV (C/C)  
2.0 KV (C/S)



**INSULATION RESISTANCE**  
> 20 GOHM/CM

### 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 % ± 5 %                     |
|                   | SHEATH           | PVC COMPOUND.                                       |
|                   | SHEATH COLOUR    | GRAY, RAL: 7001, DESINA: NO                         |

### PRODUCTS FEATURES



**FIRE PERFORMANCE**  
IEC EN 60332-1-2  
DIN VDE 0482-332-1-2



**OIL PERFORMANCE**  
EN 50290-2-22  
TM54 CEI 20-34/0-1 4 H @ 70°C OIL  
IRM 902  
VDE 0819-102

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) | INS. COLOUR EXC                       |
|-----------|--------------------------|-----|-----------|-----------|------------|----------------|---------------------------------------|
| 11451     | (2X0,50)ST               | ✗   | 100       | 500       | 5.6        | 51             |                                       |
| 1178      | (2X1,00)ST               | ✓   | 100       | 500       | 6.5        | 72             |                                       |
| 11778     | (3G1,00)ST               | ✓   | 100       |           | 6.8        | 86             | UNEL TABLE COLOUR                     |
| 25582     | (3X1,00)ST               | ✓   | 100       | 500/1000  | 6.8        | 86             | BLACK CORE WITH WHITE PRINTED NUMBERS |
| 11678     | (3G1,50)ST               | ✓   | 100       | 500       | 7.5        | 107            | UNEL TABLE COLOUR                     |
| 1829      | (3G1,50)ST               | ✓   | 100       | 500       | 7.5        | 107            |                                       |
| 1863      | (4G0,50)ST               | ✓   | 100/200   | 500       | 6.3        | 57             |                                       |
| 39291     | (4X0,50)ST               | ✓   | 100/200   | 500       | 6.3        | 57             | BLACK CORE WITH WHITE PRINTED NUMBERS |
| 10665     | (4G1,00)ST               | ✓   | 100       | 500       | 7.4        | 100            |                                       |
| 15128     | (4X1,00)ST               | ✓   | 100       |           | 7.4        | 100            | BLACK CORE WITH WHITE PRINTED NUMBERS |
| 18278     | (4G1,50)ST               | ✓   | 100       | 500       | 8.2        | 128            | UNEL TABLE COLOUR                     |
| 8144      | (4G1,50)ST               | ✓   | 100       | 500/1000  | 8.2        | 128            |                                       |
| 11309     | (4G2,50)ST               | ✓   | 100       | 500       | 9.9        | 195            |                                       |
| 18279     | (4G2,50)ST               | ✓   | 100       | 500/1000  | 9.9        | 195            | UNEL TABLE COLOUR                     |
| 18280     | (4G4,00)ST               | ✓   |           | 500/100   | 11.7       | 350            | UNEL TABLE COLOUR                     |
| 6137      | (4G4,00)ST               | ✓   |           |           | 11.7       | 350            |                                       |
| 11310     | (4G6,00)ST               | ✓   |           |           | 14.1       | 410            |                                       |
| 18281     | (4G6,00)ST               | ✓   |           |           | 14.1       | 410            | UNEL TABLE COLOUR                     |
| 18282     | (4G10,00)ST              | ✓   |           |           | 17.6       | 660            | UNEL TABLE COLOUR                     |
| 6716      | (4G10,00)ST              | ✓   |           |           | 17.6       | 660            |                                       |
| 18283     | (4G16,00)ST              | ✓   |           |           | 20.4       | 978            | UNEL TABLE COLOUR                     |
| 18284     | (4G25,00)ST              | ✓   |           |           | 25.5       | 1510           | UNEL TABLE COLOUR                     |
| 18285     | (4G35,00)ST              | ✓   |           |           | 28.4       | 1980           | UNEL TABLE COLOUR                     |
| 18286     | (4G50,00)ST              | ✓   |           |           | 34.5       | 2840           | UNEL TABLE COLOUR                     |
| 21805     | (5G0,50)ST               | ✓   | 100       | 500       | 7          | 84             |                                       |
| 11654     | (5G1,00)ST               | ✓   | 100       | 500       | 8          | 121            |                                       |
| 10673     | (5G1,50)ST               | ✓   |           | 500       | 9          | 154            |                                       |
| 528       | (7G0,50)ST               | ✓   | 100       | 500       | 7.6        | 105            |                                       |
| 10278     | (7G1,00)ST               | ✓   | 100       | 500       | 8.8        | 152            |                                       |
| 11658     | (7G1,50)ST               | ✓   | 100       | 500       | 9.9        | 192            |                                       |
| 11659     | (7G2,50)ST               | ✓   |           | 500       | 11.9       | 310            |                                       |
| 10279     | (12G1,00)ST              | ✓   |           | 500/100   | 11.6       | 270            |                                       |
| 2131      | (12G1,50)ST              | ✓   |           |           | 13         | 330            |                                       |
| 886       | (18G0,75)ST              | ✓   |           | 500       | 12.7       | 312            |                                       |
| 10318     | (18G1,00)ST              | ✓   |           |           | 13.6       | 395            |                                       |
| 1580      | (18G1,50)ST              | ✓   |           |           | 15.5       | 480            |                                       |
| 10317     | (25G1,00)ST              | ✓   |           |           | 15.9       | 495            |                                       |
| 1877      | (25G1,50)ST              | ✓   |           |           | 18         | 630            |                                       |

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