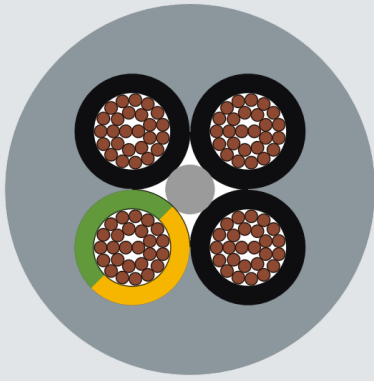


## STATIC APPLICATION



# TECNIFLEX<sup>®</sup>

## TFX MULTICORE

### 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                                  | 15.0xØ (occ.<br>flexing) | 4.0xØ                  |

### DESCRIPTION

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. When temperature range application and UV protection are guaranteed (specifically the black sheath version), they are also suitable for outdoor use. Designed for machine connections between control, regulation or measurement systems, computers, and assembly lines, with static or free movement applications without tensile load or forced motion.

### APPROVALS



2014/35/CEE

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



**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                              |
|                   | TALC             | TALC POWDER                                         |
|                   | 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



**UV PERFORMANCE**  
ISO 4892-2-2013  
ISO 4892-3-2006  
DIN EN ISO 4892-2  
ONLY FOR BLACK RAL 9005 SHEATH  
EN ISO 4892-3-2006  
EN ISO 4892-2-2013 METHOD A  
(COLOUR CHANGING ALLOWED)  
EN 50525-1  
VDE 0285-525-1  
BLACK SHEATH CABLES ARE  
SUITABLE FOR OUTDOOR  
PERMANENT USAGE  
NFC 32-321  
NFC 32-321 ANNEX A

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M)    | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|--------------|------------|----------------|
| 16787     | 2X0,50                   | ✗   | 100       | 500          | 4.8        | 35             |
| 5418      | 2X0,75                   | ✗   | 100       | 500          | 5.4        | 42             |
| 8429      | 2X1,00                   | ✓   | 100       | 500/1000     | 5.8        | 55             |
| 2088      | 2X1,50                   | ✓   | 100/200   | 500/2000     | 6.3        | 68             |
| 20433     | 2X2,50                   | ✓   | 100       | 500          | 7.6        | 109            |
| 16788     | 3G0,50                   | ✗   | 100       | 500          | 5.1        | 42             |
| 18501     | 3X0,50                   | ✗   | 100       | 500          | 5.1        | 42             |
| 2433      | 3G0,75                   | ✓   | 100       | 500          | 5.7        | 55             |
| 11087     | 3X1,00                   | ✗   | 100       | 500          | 6          | 68             |
| 7571      | 3G1,00                   | ✓   | 100       | 500          | 6          | 68             |
| 13285     | 3X1,50                   | ✓   | 100       | 500          | 6.8        | 85             |
| 7564      | 3G1,50                   | ✓   | 100       | 500/1000     | 6.8        | 85             |
| 7570      | 3G2,50                   | ✓   | 100       | 500          | 8.1        | 135            |
| 27572     | 3G4,00                   | ✓   |           | 500          | 9.9        | 200            |
| 15297     | 4X0,50                   | ✓   | 100       | 500/1000     | 5.7        | 54             |
| 9310      | 4G0,50                   | ✓   | 100       | 500          | 5.7        | 54             |
| 10486     | 4X0,75                   | ✗   | 100       | 500          | 6.2        | 66.6           |
| 10365     | 4X1,00                   | ✓   | 100       | 500          | 6.5        | 84             |
| 9409      | 4G1,00                   | ✓   | 100       | 500/1000     | 6.5        | 84             |
| 15761     | 4X1,50                   | ✓   | 100       | 500          | 7.4        | 108            |
| 7565      | 4G1,50                   | ✓   | 100       | 500          | 7.4        | 108            |
| 8475      | 4G2,50                   | ✓   | 100       | 500          | 8.9        | 165            |
| 8496      | 4G4,00                   | ✓   |           | 100/500      | 10.8       | 250            |
| 6971      | 4G6,00                   | ✓   |           | 100/500      | 13         | 370            |
| 6972      | 4G10,00                  | ✓   |           |              | 15.8       | 595            |
| 9311      | 5G0,50                   | ✓   | 100       | 1000         | 6.2        | 63             |
| 8580      | 5G0,75                   | ✓   | 100       | 500          | 6.8        | 79             |
| 7153      | 5X1,00                   | ✓   | 100       | 500          | 7.2        | 94             |
| 8548      | 5G1,00                   | ✓   | 100       | 500/1000     | 7.2        | 94             |
| 7566      | 5G1,50                   | ✓   | 100       | 500          | 8.1        | 135            |
| 7844      | 5G2,50                   | ✓   | 100       | 500          | 9.5        | 210            |
| 10664     | 5G4,00                   | ✓   |           | 100          | 12.1       | 310            |
| 10674     | 5G6,00                   | ✓   |           | 100/500      | 13.5       | 450            |
| 10690     | 5G10,00                  | ✓   |           |              | 18.1       | 750            |
| 15758     | 5G16,00                  | ✓   |           |              | 21.2       | 1200           |
| 39285     | 6X0,50                   | ✓   | 100       | 500          | 6.7        | 75             |
| 13300     | 7G0,50                   | ✓   | 100       | 500          | 6.7        | 81             |
| 30464     | 7X0,50                   | ✓   | 100       | 500          | 6.7        | 81             |
| 18359     | 7X1,00                   | ✓   | 100       | 500          | 8          | 129            |
| 7444      | 7G1,00                   | ✓   | 100       | 500          | 8          | 129            |
| 7450      | 7G1,50                   | ✓   | 100       | 500/1000     | 8.9        | 170            |
| 7568      | 7G2,50                   | ✓   |           | 500/100      | 11.1       | 275            |
| 6970      | 7G4,00                   | ✓   |           | 500          | 13.4       | 410            |
| 9312      | 8G0,50                   | ✓   | 100       | 500          | 8          | 100            |
| 20151     | 8X0,75                   | ✓   | 100       | 500          | 8.7        | 134            |
| 914       | 8G1,00                   | ✓   |           | 500          | 9.5        | 150            |
| 10338     | 9G1,00                   | ✓   |           | 500          | 10         | 164            |
| 26774     | 9G1,50                   | ✓   |           | 500          | 11.8       | 225            |
| 15274     | 10X0,50                  | ✓   | 100       | 500          | 8.6        | 106            |
| 2487      | 10G0,50                  | ✓   | 100       | 500          | 8.6        | 106            |
| 2231      | 10G1,00                  | ✓   | 100       | 500          | 10.5       | 180            |
| 7451      | 10G1,50                  | ✓   |           | 500/1000/100 | 11.8       | 250            |

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M)    | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|--------------|------------|----------------|
| 6650      | 10G2,50                  | ✓   |           | 100/500      | 14         | 402            |
| 7797      | 12G0,50                  | ✓   | 100       | 500          | 8.9        | 130            |
| 16346     | 12G0,75                  | ✓   |           |              | 9.9        | 173            |
| 5084      | 12X0,75                  | ✓   |           | 500          | 9.9        | 173            |
| 7445      | 12G1,00                  | ✓   |           | 500/1000/100 | 10.5       | 205            |
| 7527      | 12G1,50                  | ✓   |           | 500          | 12         | 295            |
| 8934      | 12G2,50                  | ✓   |           | 500          | 14.8       | 465            |
| 10651     | 14G0,50                  | ✓   | 100       | 500          | 9.5        | 153            |
| 15814     | 14G1,00                  | ✓   |           | 500/100      | 11.3       | 238            |
| 5413      | 14G1,50                  | ✓   |           | 500          | 12.7       | 341            |
| 647       | 16X0,50                  | ✓   |           | 500          | 10         | 170            |
| 20313     | 16G0,75                  | ✓   |           | 500          | 11         | 220            |
| 15284     | 16G1,00                  | ✓   |           | 500          | 12         | 280            |
| 7567      | 16G1,50                  | ✓   |           | 500          | 13.4       | 370            |
| 16978     | 18G0,50                  | ✓   | 100       | 500          | 10.6       | 188            |
| 4955      | 18G0,75                  | ✓   |           | 500          | 11.8       | 244            |
| 7446      | 18G1,00                  | ✓   |           | 500/100      | 12.7       | 315            |
| 7569      | 18G1,50                  | ✓   |           | 500          | 14.4       | 441            |
| 9313      | 19G0,50                  | ✓   | 100       | 500          | 10.6       | 195            |
| 11836     | 19G1,00                  | ✓   |           | 100/500      | 12.7       | 320            |
| 8513      | 19G1,50                  | ✓   |           | 500          | 14.4       | 453            |
| 10319     | 19G2,50                  | ✓   |           |              | 18.1       | 720            |
| 17203     | 20G1,00                  | ✓   |           | 500          | 13.5       | 335            |
| 13660     | 22G0,50                  | ✓   |           | 500          | 12         | 223            |
| 39287     | 24X0,50                  | ✓   |           | 500          | 12.4       | 266            |
| 8125      | 25G0,50                  | ✓   |           | 500/100      | 12.4       | 261            |
| 16347     | 25G0,75                  | ✓   |           | 500          | 13.9       | 337            |
| 7447      | 25G1,00                  | ✓   |           | 500/1000/100 | 15.1       | 420            |
| 7596      | 25G1,50                  | ✓   |           | 100          | 17         | 595            |
| 36863     | 25G2,50                  | ✓   |           |              | 20.8       | 935            |
| 35468     | 26G0,75                  | ✗   |           | 1000/2000    | 14.1       | 350            |
| 28988     | 31G0,50                  | ✓   |           | 500          | 13.8       | 305            |
| 6140      | 34G1,00                  | ✓   |           |              | 17.2       | 565            |
| 2883      | 34G1,50                  | ✓   |           |              | 19.5       | 781            |
| 7448      | 36G1,00                  | ✓   |           |              | 17.4       | 595            |
| 8126      | 37G0,50                  | ✓   |           | 500          | 14.2       | 380            |
| 14556     | 41G0,50                  | ✓   |           |              | 15.8       | 410            |
| 6016      | 41G0,75                  | ✓   |           |              | 17.6       | 538            |
| 7572      | 41G1,00                  | ✓   |           |              | 18.8       | 660            |
| 34899     | 42G0,75                  | ✓   |           |              | 17.8       | 580            |
| 7573      | 50G1                     | ✓   |           |              | 20.9       | 797            |
| 12169     | 50G1,50                  | ✓   |           |              | 23.6       | 1160           |
| 11335     | 61G1,00                  | ✓   |           |              | 22.3       | 970            |
| 1469      | 65G0,75                  | ✓   |           |              | 21.8       | 840            |

**INSULATION COLOR: UNEL TABLE COLOUR**

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|-----------|------------|----------------|
| 7689      | 2X0,50                   | ✗   | 100       | 500       | 4.8        | 35             |
| 7440      | 2X1,00                   | ✓   | 100       | 500       | 5.8        | 55             |
| 8310      | 2X1,50                   | ✓   | 100/200   | 500       | 6.3        | 68             |
| 1970      | 3X0,50                   | ✗   | 100       | 500       | 5.1        | 42             |
| 9309      | 3G0,50                   | ✓   | 100       | 500       | 5.1        | 42             |
| 1968      | 3G0,75                   | ✗   | 100       | 500/200   | 5.7        | 55             |
| 7441      | 3G1,00                   | ✗   | 100       | 500       | 6          | 68             |
| 8089      | 3G1,50                   | ✓   | 100       | 500/2000  | 6.8        | 85             |
| 8063      | 3G2,50                   | ✓   | 100       | 500       | 8.1        | 135            |
| 15750     | 3G4,00                   | ✓   |           | 500       | 9.9        | 200            |
| 6264      | 4X1,00                   | ✓   | 100       | 500/1000  | 6.5        | 84             |
| 18012     | 4G1,50                   | ✓   | 100       | 500/1000  | 7.4        | 108            |
| 18271     | 4G2,50                   | ✓   | 100       | 500       | 8.9        | 165            |
| 18272     | 4G4,00                   | ✓   |           | 500       | 10.8       | 250            |
| 18273     | 4G6,00                   | ✓   |           | 500       | 13         | 370            |
| 18274     | 4G10,00                  | ✓   |           |           | 15.8       | 595            |
| 18275     | 4G16,00                  | ✓   |           |           | 19         | 935            |
| 18276     | 4G25,00                  | ✓   |           |           | 23.6       | 1465           |
| 18277     | 4G35,00                  | ✓   |           |           | 28.5       | 1980           |
| 11677     | 4G50,00                  | ✓   |           |           | 34.4       | 2890           |
| 7443      | 5G1,00                   | ✓   | 100       | 500       | 7.2        | 94             |
| 35860     | 5G2,50                   | ✓   |           | 500       | 9.5        | 210            |

**SHEATH COLOUR: MATTE BLACK**

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|-----------|------------|----------------|
| 22982     | 2X1,50                   | ✓   | 100/200   | 500       | 6.3        | 68             |
| 19442     | 3G1,50                   | ✓   | 100       | 500       | 6.8        | 85             |
| 20710     | 3G2,50                   | ✓   | 100       | 500       | 8.1        | 135            |
| 19350     | 3X4,00                   | ✓   |           | 500       | 9.9        | 200            |
| 15705     | 4X1,00                   | ✓   | 100       | 500       | 6.5        | 84             |
| 16630     | 4G1,50                   | ✓   | 100       | 500       | 7.4        | 108            |
| 16631     | 4G2,50                   | ✓   | 100       | 500       | 8.9        | 165            |
| 16632     | 4G4,00                   | ✓   |           | 500       | 10.8       | 250            |
| 26233     | 5G6,00                   | ✓   |           | 500       | 13.5       | 450            |
| 16633     | 7G1,50                   | ✓   | 100       | 500       | 8.9        | 170            |
| 16634     | 7G2,50                   | ✓   |           | 500       | 11.1       | 275            |
| 38189     | 10G1,00                  | ✓   |           | 500       | 10.5       | 180            |

**SHEATH COLOUR: MATTE BLACK**

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|-----------|------------|----------------|
| 35854     | 2X0,50                   | ✗   |           | 500       | 4.8        | 35             |
| 7152      | 2X1,00                   | ✓   | 100       | 500       | 5.8        | 55             |
| 6265      | 12X2,50                  | ✓   |           | 500       | 14.8       | 465            |
| 7563      | 25G2,50                  | ✓   |           |           | 20.8       | 935            |

**SHEATH COLOUR: MATTE BLACK**  
**INSULATION COLOR: UNEL TABLE COLOUR**

**SHEATH COLOUR:** ORANGE  
**INSULATION COLOR:** ORANGE NUMBERED  
RAL 2003

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|-----------|------------|----------------|
| 5079      | 3G1,50                   | ✓   | 100       | 500       | 6.8        | 85             |
| 34056     | 3G2,50                   | ✓   | 100       | 500       | 8.1        | 135            |

**INSULATION COLOR:** BLACK  
RED

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|-----------|------------|----------------|
| 21804     | 2X1,00                   | ✓   | 100       | 500/1000  | 5.8        | 55             |

**SHEATH COLOUR:** ORANGE  
**INSULATION COLOR:** UNEL TABLE COLOUR

| TECO CODE | N° CORES X CROSS-SECTION | CUT | ROLLS (M) | DRUMS (M) | EXT Ø (MM) | WEIGHT (KG/KM) |
|-----------|--------------------------|-----|-----------|-----------|------------|----------------|
| 16337     | 3G1,50                   | ✓   | 100       | 500       | 6.8        | 85             |

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