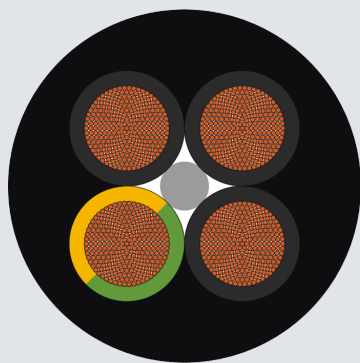


## STATIC APPLICATION



# TECNIFLEX<sup>®</sup>

## TC-ER NYLON MULTICORE

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM <sup>2</sup> )	CROSS SECTION MAX (MM <sup>2</sup> )	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	70.00	15.0xØ (occ. flexing)	6.0xØ

### DESCRIPTION

UL/CSA multi-rated flexible power and control cables, compliant with USA NFPA 79 and NFPA 70 standards and suitable for various applications, including power supply for tools and plant construction machinery. These cables are suitable for open, unprotected installation, linking cable trays to machines, industrial plants, or for static wiring in wind turbines. They are suitable for a variety of installations, including dry, damp, and wet environments, as well as outdoor, underground, and pipe usage.

### APPROVALS



TC-ER 90°C 600V  
File E471679



MTW 90°C 600V  
File E471678



WTTC 90°C 1000V



AWM STYLE 20886 90°C  
1000V  
File E244280



CSA CIC-TC-ER 90°C  
600V



2014/35/CEE



2011/65/UE



1907/2006

ECOLAB

### TECHNICAL DATA



STATIC  
-40 °C +90 °C  
OCCASIONAL FLEXING  
-5 °C +90 °C



NOMINAL VOLTAGE  
1000 V (UL AWM)  
600 V (UL MTW)  
1000 V (UL WTTC)  
0,6/1 KV (IEC/VDE)



TEST VOLTAGE  
2 KV\*  
3 KV\*\*  
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. BARE COPPER
	INSULATION	PVC WITH NYLON JACKET
	INSULATION COLOR	BLACK CORES WITH PRINTED NUMBERS WITH [G] OR WITHOUT [X] GREEN-YELLOW
	FILLER	FILLER POLYPROPYLENE
OVERALL STRANDING	TALC	TALC POWDER
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

## PRODUCTS FEATURES



### FIRE PERFORMANCE

UL VERTICAL-TRAY FLAME TEST UL  
1581-1160  
FT4 (CSA)  
FT1 (CSA)  
FT2 (CSA)  
VW-1 (UL)  
CABLE FLAME TEST  
UL 1685  
FT4 IEEE 1202 VERTICAL FLAME TEST  
IEC 60332-1-2



### OIL PERFORMANCE

OIL RES I



### UV PERFORMANCE

UL SUN RESISTANT



### WATER PERFORMANCE

UL 90° DRY  
FOR SECTION >  
1.5 MM<sup>2</sup> UL WET APPROVAL 75°C



### MUD PERFORMANCE

FOR SECTION >  
1.5 MM<sup>2</sup> DIRECT BURIAL NFPA 70  
EXPOSED RUN ACC. TO UL1277

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
46708	<b>2X1,00</b> 2XAWG18	✓	100	500	6.9	66
61223	<b>2X1,50</b> 2XAWG16	✓	100	500	7.5	85
46709	<b>3G1,00</b> 3GAWG18	✓	100	500	7.3	92
46714	<b>3G1,50</b> 3GAWG16	✓	100	500	7.9	100
46718	<b>3G2,50</b> 3GAWG14	✓	100	500	8.8	137
61233	<b>3G4,00</b> 3GAWG12	✓		500	10.1	205
46710	<b>4G1,00</b> 4GAWG18	✓	100	500	7.9	100
46715	<b>4G1,50</b> 4GAWG16	✓	100	500	8.6	124
46719	<b>4G2,50</b> 4GAWG14	✓		500	9.5	172
46721	<b>4G4,00</b> 4GAWG12	✓		500	11	244
61239	<b>4G6,00</b> 4GAWG10	✓			14	377
61240	<b>4G10,00</b> 4GAWG08	✓			18.8	647
61241	<b>4G16,00</b> 4GAWG06	✓			22.3	961
61242	<b>4G25,00</b> 4GAWG04	✓			27.3	1639
61244	<b>4G35,00</b> 4GAWG02	✓			31.4	2084
61243	<b>4G50,00</b> 4GAWG01	✓			35.6	2949
46711	<b>5G1,00</b> 5GAWG18	✓	100	500	8.5	114
46716	<b>5G1,50</b> 5GAWG16	✓		500	9.4	158
46720	<b>5G2,50</b> 5GAWG14	✓		500	10.3	220
46712	<b>7G1,00</b> 7GAWG18	✓		500	9.2	150
46717	<b>7G1,50</b> 7GAWG16	✓		500	10.2	199
61228	<b>7G2,50</b> 7GAWG14	✓			11.4	286
46713	<b>12G1,00</b> 12GAWG18	✓		500	12	242
61224	<b>12G1,50</b> 12GAWG16	✓		500	14	354

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
61221	<b>18G1,00</b> 18GAWG18	✓		500	14.6	366
61225	<b>18G1,50</b> 18GAWG16	✓		500	16.2	491
61222	<b>25G1,00</b> 25GAWG18	✓			17.4	499
61226	<b>25G1,50</b> 25GAWG16	✓			19	666

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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