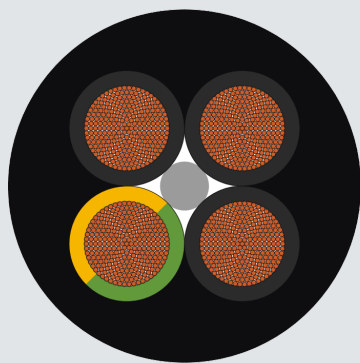


STATIC APPLICATION



TECNIFLEX® TC-ER NYLON MULTICORE

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	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



MTW 90°C 600V



WTTC 90°C 1000V



**AWM STYLE 20886
90°C 1000V**



**CSA CIC-TC-ER 90°C
600V**



2014/35/CEE



2011/65/UE



1907/2006

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 CORE WITH WHITE PRINTED NUMBER + 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



MUD PERFORMANCE
FOR SECTION >
1,5 MM² DIRECT BURIAL NFPA 70
EXPOSED RUN ACC. TO UL 4377

WATER PERFORMANCE
UL 90° DRY
FOR SECTION >
1,5 MM² UL WET APPROVAL 75°C



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TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
46708	2X1,00 2XAWG18	✓	100	500	6.9	82
46709	3G1,00 3GAWG18	✓	100	500	7.3	86
46714	3G1,50 3GAWG16	✓	100	500	7.9	105
46718	3G2,50 3GAWG14	✓	100	500	8.8	150
46710	4G1,00 4GAWG18	✓	100	500	7.9	100
46715	4G1,50 4GAWG16	✓	100	500	8.6	125
46719	4G2,50 4GAWG14	✓	100/200	500	9.5	175
46721	4G4,00 4GAWG12	✓	100/200	500	11	250
46711	5G1,00 5GAWG18	✓	100	500	8.5	120
46716	5G1,50 5GAWG16	✓	100	500	9.4	153
46720	5G2,50 5GAWG14	✓		500	10.5	215
46712	7G1,00 7GAWG18	✓	100	500	9.2	150
46717	7G1,50 7GAWG16	✓	100/200	500	10.2	190
46713	12G1,00 12GAWG18	✓		500	12	240

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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