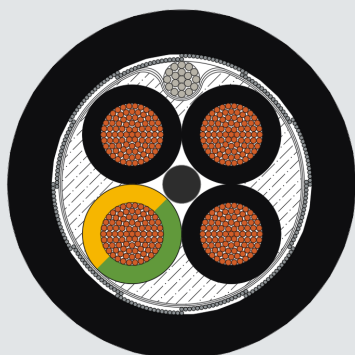


STATIC APPLICATION



TECNIFLEX[®]

TC-ER NYLON MULTICORE SHIELDED (SH)

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	95.00	20.0xø (occ. flexing)	6.0xø

DESCRIPTION

UL/CSA multi-rated flexible power and control cables, compliant with USA NFPA 79 and NFPA 70 standards, suitable for various applications such as power supply for tools and construction machinery in plant construction. These cables are suitable for open, unprotected installation, linking cable trays to machines, industrial plants, or in static wiring for wind turbines. They can be used in dry, damp, and wet environments, as well as outdoor, underground, and pipe installations. Screening from electromagnetic interferences is provided thanks to the dense braid shield.

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



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
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT.
	SEPARATION LAYER	SHIELDED TAPE POLYESTER/ALLUMINIUM
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	OVERALL STRANDING	SCREEN
	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 MM² UL WET APPROVAL 75°C



MUD PERFORMANCE
 FOR SECTION >
 1.5 MM² 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)
46722	(3G1,00)ST (3GAWG18)ST	✓	100	500	8.1	93
46725	(4G1.50)ST (4GAWG16)ST	✓	100	500	9.2	154
46726	(4G2,50)ST (4GAWG14)ST	✓		500	10.5	210
46727	(4G4,00)ST (4GAWG12)ST	✓		500	11.65	280
46728	(4G6,00)ST (4GAWG10)ST	✓		500	14.9	445
46723	(5G1,00)ST (5GAWG18)ST	✓	100	500	9.3	135
46724	(7G1,00)ST (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.
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