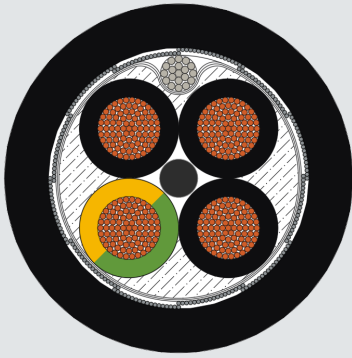


STATIC APPLICATION



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
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



2014/30/EU



2011/65/UE



1907/2006

ECOLAB

ECOLAB

TECHNICAL DATA



DURING INSTALLATION

+5°C / +70°C

STORAGE

-5°C / +70°C

STATIC

-40°C / +90°C

OCCASIONAL FLEXING

-5°C / +90°C



TEST VOLTAGE

2 KV*

3 KV**

TEST VOLTAGE REFERENCE

*ACC. TO 1277 TAB. 14.1

**ACC. TO UL 758 TAB 29.1



NOMINAL VOLTAGE

U₀/U 600/1000V (IEC)

1000V (UL/CSA AWM)

1000V (UL WTTC)

600V (UL/CSA TC-ER CIC-TC)



INSULATION RESISTANCE

≥ 200 MOHM/KM

CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL5 FLEXIBLE (IEC60228) BARE COPPER
	INSULATION	PVC/NYLON
	INSULATION COLOUR	BLACK CORES WITH PRINTED NUMBERS WITH [G] OR WITHOUT [X] GREEN-YELLOW
	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT
	SEPARATION LAYER	SHIELDED TAPE MYLAR/ALLUMINIUM
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
OVERALL STRANDING	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SHEATH	PVC
	SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
61246	(2X1,00)SH (2XAWG18)SH	✓	100	500	7.6	87
61251	(2X1,50)SH (2XAWG16)SH	✓	100	500	8.2	98
46722	(3G1,00)SH (3GAWG18)SH	✓	100	500	8.1	109
61252	(3G1,50)SH (3GAWG16)SH	✓	100	500	8.6	121
61258	(3G2,50)SH (3GAWG14)SH	✓		500	9.6	167
61247	(4G1,00)SH (4GAWG18)SH	✓	100		8.7	126
46725	(4G1,50)SH (4GAWG16)SH	✓		500	9.2	148
46726	(4G2,50)SH (4GAWG14)SH	✓		500	10.5	206
46727	(4G4,00)SH (4GAWG12)SH	✓		500	11.6	270
46728	(4G6,00)SH (4GAWG10)SH	✓		500	14.9	442
61264	(4G10,00)SH (4GAWG08)SH	✓			21.2	759
61265	(4G16,00)SH (4GAWG06)SH	✓			23.5	1003
61266	(4G25,00)SH (4GAWG04)SH	✓			28.2	1546
61268	(4G50,00)SH (4GAWG01)SH	✓			37.4	2864
46723	(5G1,00)SH (5GAWG18)SH	✓		500	9.3	147
60706	(5G1,50)SH (5GAWG16)SH	✓		200/500	10.1	186
46724	(7G1,00)SH (7GAWG18)SH	✓		500	10.1	183
61253	(7G1,50)SH (7GAWG16)SH	✓		500	11	228
61248	(12G1,00)SH (12GAWG18)SH	✓			12.9	292
61249	(18G1,00)SH (18GAWG18)SH	✓			14.7	395
61250	(25G1,00)SH (25GAWG18)SH	✓			18.3	560

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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