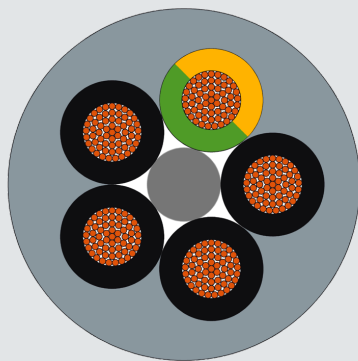


STATIC APPLICATION



TECNIFLEX[®]

TC-ER MULTICORE

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	95.00	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. The UL certifications make them suitable for running inside cable trays and between two cable trays without anchoring. Also suitable for underground use, even in dry, damp, or humid environments, and for open, unprotected installation from cable racks to machines and industrial electrical plants.

APPROVALS



TC-ER 90°C 600V
File E471679



MTW 90°C 600V
File E471678



AWM STYLE 21179 90°C
1000V
File E244280



AWM I/II A/B 90°C
1000V



CSA CIC-TC-ER 90°C
600V



2014/35/CEE

ECOLAB



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 (CSA)
600 V (CSA CIC/TC)
0,6/1 KV (IEC/VDE)



TEST VOLTAGE
2 KV*
4 KV**
TEST VOLTAGE REFERENCE
*ACC. TO UL 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 COMPOUND.
	INSULATION COLOR	BLACK CORES WITH PRINTED NUMBERS WITH [G] OR WITHOUT [X] 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

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
UL 1277
UL 1063
VDE 0473-811-404
IEC 60811-404
UL 1581



UV PERFORMANCE

SUN RESISTANT
UL 1277-20



WATER PERFORMANCE

UL 90° DRY
UL WET APPROVAL 75°C



MUD PERFORMANCE

UL 1277
DIRECT BURIAL NFPA 70
UL TRAY CABLE
EXPOSED RUN UL 1277

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
27383	2X1,00 2XAWG18	✓	100	500	8	88
43303	2X1,50 2XAWG16	✓	100	500	8.6	110
27100	3G1,00 3GAWG18	✓	100	500	8.4	100
27384	3G1,50 3GAWG16	✓		500	9.3	135
27385	3G2,50 3GAWG14	✓		500	10	170
34287	3G4,00 3GAWG12	✓		500	11.5	230
38734	3G6,00 3GAWG10	✓		500	12.5	310
27386	4G1,00 4GAWG18	✓		500	9.2	125
27387	4G1,50 4GAWG16	✓		500	9.8	160
27388	4G2,50 4GAWG14	✓	100	500	11	220
27389	4G4,00 4GAWG12	✓		500	12.5	290
27390	4G6,00 4GAWG10	✓		500	14.5	415
27391	4G10,00 4GAWG08	✓			18.8	683
27392	4G16,00 4GAWG06	✓			23.9	1115
36440	4G25,00 4GAWG04	✓			27.6	1610
28075	4G35,00 4GAWG02	✓			30.6	2048
39288	4G50,00 4GAWG01	✓			38	3070
36443	4G70,00 4GAWG2/0	✓			42	4245
43302	4G95,00 4GAWG3/0	✓			47	5200
34935	5G1,00 5GAWG18	✓		500	10	150
27544	5G1,50 5GAWG16	✓		500	10.9	190
28982	5G2,50 5GAWG14	✓		500	12.1	255
34936	5G4,00 5GAWG12	✓		500	14.5	382
38735	5G6,00 5GAWG10	✓			16	505

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
43304	5G10,00 5GAWG08	✓			20.8	860
43306	5G25,00 5GAWG04	✓			30.4	2000
27099	7G1,00 7GAWG18	✓		500	11	185
27545	7G1,50 7GAWG16	✓		500	12	240
27546	7G2,50 7GAWG14	✓		500	13.2	320
36441	7G4,00 7GAWG12	✓			15.8	485
28983	10G1,00 10GAWG18	✓		500	14.4	270
27098	12G1,00 12AWG18	✓		500	15	335
27547	12G1,50 12GAWG16	✓			16.2	420
27548	12G2,50 12GAWG14	✓			17.5	580
39266	16G1,00 16GAWG18	✓			16.4	413
28984	18G1,00 18GAWG18	✓		500	17.4	465
27549	18G1,50 18GAWG16	✓			19	590
36436	18G2,50 18GAWG14	✓			21.1	820
28985	25G1,00 25GAWG18	✓			20.2	615
27550	25G1,50 25GAWG16	✓			22.8	785
39265	25G2,50 25GAWG14	✓			25.2	1170
39267	34G1,00 34GAWG18	✓			24.3	890
39268	41G1,00 41GAWG18	✓			25.8	1040

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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