



STATIC APPLICATION

TC-ER POWER&CONTROL MULTICORE

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	95.00	occ. flexing 15 x Ø	6.0xØ

APPROVALS



TC-ER 90°C 600V



MTW 90°C 600V



AWM STYLE 21179
90°C 1000V



AWM I/II A/B 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
UL AWM = 90°C 1000 V
UL TC-ER / MTW = 600 V
IEC/VDE = 600/1000 V
CSA = 90°C 1000 V
CSA CIC/TC - ER = 90°C 600 V



TEST VOLTAGE
2000V (ACC. TO UL 1277 TAB. 14.1) -
4000V (ACC. TO UL 758 TAB. 29.1)



INSULATION RESISTANCE
≥ 200 MΩ X KM

CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL5 FLEXIBLE. BARE COPPER.
	INSULATION	PVC COMPOUND.
	INSULATION COLOR	BLACK CORE WITH WHITE PRINTED NUMBER + 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 1581 SECTION 1160 (UL VERTICAL-
TRAY FLAME TEST)
CSA FT4
FT1
FT2
UL 1581 VW-1 / 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 TAB.20



WATER PERFORMANCE
UL 90° DRY
UL WET APPROVAL 75°C



MUD PERFORMANCE
UL 1277 - DIR BUR (DIRECT BURIAL)
ACC. TO NFPA 70
UL TYPE TC (TRAY CABLE) - ER
(EXPOSED RUN) ACC. TO UL 1277

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC
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	✓			12.5	310	
27386	4G1,00 4GAWG18	✓	100	500	9.2	125	
27387	4G1,50 4GAWG16	✓			9.8	160	
27388	4G2,50 4GAWG14	✓		500	11	220	
27389	4G4,00 4GAWG12	✓		500	12.5	290	
27390	4G6,00 4GAWG10	✓			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	✓			10	150	
27544	5G1,50 5GAWG16	✓		500	10.9	190	
28982	5G2,50 5GAWG14	✓		500	12.1	255	
34936	5G4,00 5GAWG12	✓			14.5	382	
38735	5G6,00 5GAWG10	✓			16	505	
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	✓			13.2	320	
36441	7G4,00 7GAWG12	✓			15.8	485	
28983	10G1,00 10GAWG18	✓			14	270	
27098	12G1,00 12AWG18	✓		500	15	335	
27547	12G1,50 12GAWG16	✓			16.2	420	

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC
27548	12G2,50 12GAWG14	✓			17.5	580	
39266	16G1,00 16GAWG18	✓			16.4	413	
28984	18G1,00 18GAWG18	✓			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.

Company managed and coordinated by Fangen S.r.l.. All rights reserved. No reproduction permitted without written permission from TE.CO. Tecnologia Commerciale S.p.A.

