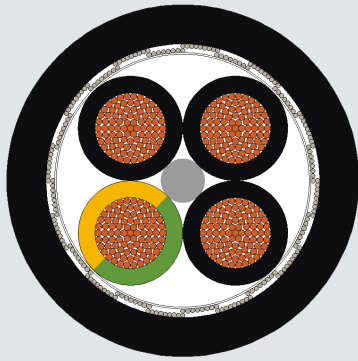


STATIC APPLICATION



TECNIFLEX®

TFX BK UL 2570 MULTICORE SHIELDED (SH)

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	95.00	10.0xø (occ. flexing)	4.0xø

DESCRIPTION

UL/CSA certified flexible power and control multi-core cables suitable for static installations or occasional flexing applications with medium mechanical stresses and free movement, in dry, damp, or wet environments, even in the presence of industrial oil residues. Both indoor and outdoor use are permitted thanks to the UV resistance conferred by the outer sheath Material. They have an operating voltage of Up to 1000 V and a self-extinguishing feature. The high degree of shielding guarantees interference-free transmission of signals and impulses. These cables can be used as wiring for measuring and control purposes in tool machinery, conveyor belts, production lines, plant installations, air conditioning, and in steel production plants and rolling mills. They are designed for ductile and easy workability.

APPROVALS



AWM STYLE 2570 80°C
1000V
File E244280



AWM I/II A/B 80°C
1000V



2014/35/CEE



ECOLAB



2011/65/UE



1907/2006

TECHNICAL DATA



DURING INSTALLATION
+5°C / +70°C
STORAGE
-5°C / +70°C
STATIC
-40°C / +80°C (UL/CSA)
+70°C (IEC 60811-504)
OCCASIONAL FLEXING
-15°C / +70°C



NOMINAL VOLTAGE
U₀/U 600/1000V (IEC)
1000V (UL/CSA AWM)



TEST VOLTAGE
4.0 KV
TEST VOLTAGE REFERENCE
EN 50395-6-7
UL 1581



INSULATION RESISTANCE
> 200 MOHM/KM @ 20°C

CONSTRUCTION FEATURES

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

PRODUCTS FEATURES



FIRE PERFORMANCE
IEC 60332-1-2
VDE 0482-332-1-2
VW-1 (UL)
FT1 (CSA)



OIL PERFORMANCE
EN 50290-2-22 (TM54)
VDE 0819-102 (TM54)
IEC 60811-404



UV PERFORMANCE
ISO 4892-2, METHOD A (COLOUR CHANGING ALLOWED).
ACC. TO EN 50525-1 CABLES WITH BLACK SHEATH ARE SUITABLE FOR PERMANENT OUTDOOR USE
EN 50289-4-17

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
54024	(2X1,00)ST (2XAWG18)ST	✓	100/200	500	6.4	65
54026	(2X1,50)ST (2XAWG16)ST	✓	100/200	500	7.2	88
54025	(3G1,00)ST (3GAWG18)ST	✓	100/200	500	6.9	80
54033	(3X1,00)ST (3XAWG18)ST	✓	100/200	500	6.9	80
54035	(3X1,50)ST (3XAWG16)ST	✓	100	500	7.4	100
54037	(3G1,50)ST (3GAWG16)ST	✓	100	500	7.4	100
54069	(4X1,00)ST (4XAWG18)ST	✓	100	500	7.4	97
54034	(4G1,00)ST (4GAWG18)ST	✓	100	500	7.4	97
54038	(4G1,50)ST (4GAWG16)ST	✓	100	500	8.2	120
54074	(4G2,50)ST (4GAWG14)ST	✓		500	9.5	180
54075	(4G4,00)ST (4GAWG12)ST	✓		500	11.1	260
54076	(4G6,00)ST (4GAWG10)ST	✓		500	13	384
54077	(4G10,00)ST (4GAWG08)ST	✓			17.3	680
54070	(5G1,00)ST (5GAWG18)ST	✓	100	500	8.1	118
54073	(5G1,50)ST (5GAWG16)ST	✓	100	500	9.1	155
54071	(7G1,00)ST (7GAWG18)ST	✓		500	8.7	155
54072	(7G1,50)ST (7GAWG16)ST	✓		500	9.5	190
54027	(12G1,50)ST (12GAWG16)ST	✓		500	12.5	300
54028	(18G1,50)ST (18GAWG16)ST	✓		500	15	450

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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