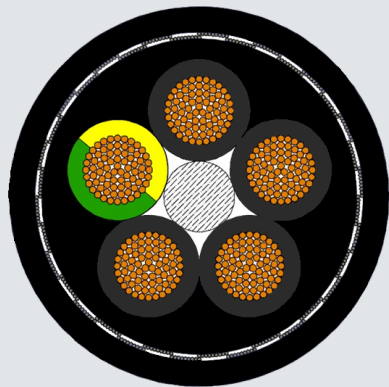




STATIC APPLICATION

TECNIFLEX[®]

TFX HF61 MULTICORE SHIELDED (SH)

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	120.00	15.0 x ø (occ. flexing)	7.5 x ø

DESCRIPTION

Shielded power and control cables Halogen free for occasional flexing or static installation use, with medium mechanical stress resistance, even in the presence of industrial oil residues. Suitable for dry, damp, or wet environments. Designed for machine connections between control, regulation or measurement systems, computers, and assembly lines, with static or free movement applications without traction load or compulsory runners.

APPROVALS



2014/35/CEE



2014/30/EU



1907/2006



2011/65/UE



Dca-s1a,d2,a1
EN 50575:2014 (DoP
TECO-0051)



IEC 60754-1
DIN EN 60754-1
DIN VDE 0482-754-1

TECHNICAL DATA



DURING INSTALLATION

+5°C / +70°C

STORAGE

-5°C / +70°C

STATIC

-40°C / +70°C

OCCASIONAL FLEXING

-25°C / +70°C



NOMINAL VOLTAGE

U₀/U 600/1000V (IEC)



TEST VOLTAGE

C/C 4 KV AC @ 50 HZ 5 MIN.

C/S 2KV AC @ 50 HZ 5 MIN.

CABLE 4 KV 15 MIN.

TEST VOLTAGE REFERENCE

C/C EN 50395-7

C/S EN 50395-7

CABLE EN 50395-6

CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL5 FLEXIBLE (IEC60228) BARE COPPER
	INSULATION	HALOGEN FREE (LSZH)
	INSULATION COLOUR	BLACK CORES WITH PRINTED NUMBERS WITH [G] OR WITHOUT [X] GREEN-YELLOW
OVERALL STRANDING	FILLER	FILLER HALOGEN FREE (LSZH)
	TALC	TALC POWDER
	SHEATH	INNER SHEATH HALOGEN FREE (LSZH)
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SHEATH	HALOGEN FREE (LSZH)
	SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

PRODUCTS FEATURES



FIRE PERFORMANCE

IEC 60332-1-2
EN 60332-1-2
VDE 0482-332-1-2
NO FLAME PROPAGATION:
IEC 60332-3-24
EN 60332-3-24
VDE 0482-332-3-24



OIL PERFORMANCE

EN 60811-2-1



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



HOZONE PERFORMANCE

EN 50396 (SEC. 8.1.3)



CORROSIVENESS OF COMBUSTION GASES

IEC 60754-2
EN 60754-2

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
58422	(2X1,50)SH	✓		500	10.3	175
58425	(3G1,50)SH	✓		500	10.7	190
58426	(3G2,50)SH	✓		500	12.5	280
58429	(4G1,50)SH	✓		500	11.5	230
58434	(4G2,50)SH	✓		500	13.6	340
58437	(4G4,00)SH	✓			15.3	460
58439	(4G6,00)SH	✓			17.1	650
58432	(4G10,00)SH	✓			21.4	1000
58433	(4G16,00)SH	✓			26	1490
58435	(4G25,00)SH	✓			31.9	2225
58441	(5G1,50)SH	✓			12.8	280
58445	(5G2,50)SH	✓			15	420

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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