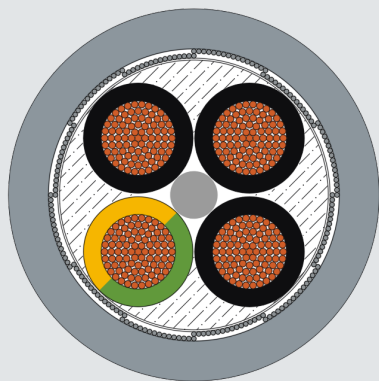




STATIC APPLICATION

TECNIFLEX®

TFX HF35 MULTICORE SHIELDED (SH)

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	16.00	12.5xØ (occ. flexing)	4.0xØ

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

CE	2014/35/CEE
EMC	2014/30/EU
REACH COMPLIANT	1907/2006
RoHS COMPLIANT	2011/65/UE
CPR	Cca-s1a,d1,a1 EN 50575:2014 (DoP TECO-0041)
HF HALOGEN FREE	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 300/500V (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



INSULATION RESISTANCE
> 20 MOHM/KM @ 20 °C

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)
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SHEATH	HALOGEN FREE (LSZH)
	SHEATH COLOUR	GRAY, RAL: 7001, 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
EN 50620 (ANNEX F)



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)
57924	(2X0,50)SH	✓	100/200	500	5.2	46
57925	(2X0,75)SH	✓	100/200	500	5.7	64
57926	(2X1,00)SH	✓	100/200	500	6	55
57932	(2X1,50)SH	✓	100	500	6.6	88
58096	(3X0,50)SH	✓	100/200	500	5.6	56
58092	(3G2,50)SH	✓		500	8.7	130
58093	(3G4,00)SH	✓		500	10.4	230
58094	(3G6,00)SH	✓		500	12.2	320
57998	(4X0,50)SH	✓	100/200	500	6.3	62
57999	(4X0,75)SH	✓	100	500	6.7	90
57930	(4G1,00)SH	✓	100	500	7.2	90
58000	(4X1,00)SH	✓	100	500	7.2	90
57933	(4G1,50)SH	✓	100	500	8	125
57936	(4G2,50)SH	✓		500	9.6	195
58095	(5G10,00)SH	✓		500	19.3	815
58085	(7G0,50)SH	✓		500	7.3	98
58088	(7G0,75)SH	✓	100	500	8.1	118
57927	(7G1,00)SH	✓	100	500	8.6	160
57934	(7G1,50)SH	✓		500	9.6	210
58086	(12G0,50)SH	✓		500	9.4	158
58089	(12G0,75)SH	✓		500	10.5	210
57931	(12G1,00)SH	✓		500	11.3	260
57935	(12G1,50)SH	✓		500	12.7	340
58087	(18G0,50)SH	✓		500	11.3	260
58090	(18G0,75)SH	✓		500	12.3	300
58091	(18G1,00)SH	✓		500	13.7	360

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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