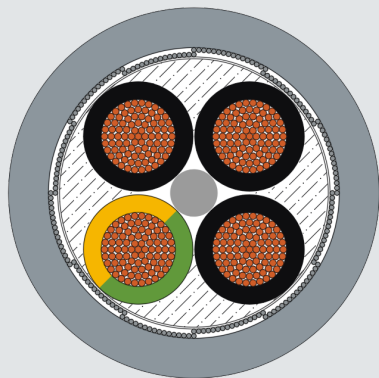


## STATIC APPLICATION



# TECNIFLEX<sup>®</sup>

## TFX MULTICORE SHIELDED (SH)

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM <sup>2</sup> )	CROSS SECTION MAX (MM <sup>2</sup> )	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	120.00	20.0xØ (occ. flexing)	6.0xØ

### DESCRIPTION

Shielded power and control cables 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
	CPR Eca
	2011/65/UE
	1907/2006

### TECHNICAL DATA



**DURING INSTALLATION**  
0 °C +70 °C  
**STATIC**  
-40 °C +80 °C  
**OCCASIONAL FLEXING**  
-5 °C +70 °C



**NOMINAL VOLTAGE**  
450/750 V



**TEST VOLTAGE**  
4.0 KV (C/C)  
2.0 KV (C/S)



**INSULATION RESISTANCE**  
> 20 GOHM/CM

### 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
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GRAY, RAL: 7001, DESINA: NO

## PRODUCTS FEATURES



**FIRE PERFORMANCE**  
IEC EN 60332-1-2  
DIN VDE 0482-332-1-2



**OIL PERFORMANCE**  
EN 50290-2-22  
TM54 CEI 20-34/0-1 4 H @ 70°C OIL  
IRM 902  
VDE 0819-102

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
11451	(2X0,50)ST	✓	100	500	5.6	51
1178	(2X1,00)ST	✓	100	1000/500	6.5	72
25582	(3X1,00)ST	✓	100	500	6.8	86
1829	(3G1,50)ST	✓	100	500	7.5	107
1863	(4G0,50)ST	✓	100/200	500	6.3	57
39291	(4X0,50)ST	✓	100/200	500	6.3	57
10665	(4G1,00)ST	✓	100	500	7.4	100
15128	(4X1,00)ST	✓	100	500	7.4	100
8144	(4G1,50)ST	✓	100	1000/500	8.2	128
11309	(4G2,50)ST	✓	100	500	9.9	195
6137	(4G4,00)ST	✓		500	11.7	350
11310	(4G6,00)ST	✓			14.1	410
6716	(4G10,00)ST	✓			17.6	660
21805	(5G0,50)ST	✓	100	500	7	84
11654	(5G1,00)ST	✓	100	500	8	121
10673	(5G1,50)ST	✓	100	500	9	154
528	(7G0,50)ST	✓	100	500	7.6	105
10278	(7G1,00)ST	✓	100	500	8.8	152
11658	(7G1,50)ST	✓	100	500	9.9	192
11659	(7G2,50)ST	✓		500	11.9	310
10279	(12G1,00)ST	✓		100/500	11.6	270
2131	(12G1,50)ST	✓		500	13	330
886	(18G0,75)ST	✓		500	12.7	312
10318	(18G1,00)ST	✓		500	13.6	395
1580	(18G1,50)ST	✓			15.5	480
10317	(25G1,00)ST	✓			15.9	495
1877	(25G1,50)ST	✓			18	630

## INSULATION COLOR: UNEL TABLE COLOUR

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
11778	(3G1,00)ST	✓	100	500	6.8	86
11678	(3G1,50)ST	✓	100	500	7.5	107
18278	(4G1,50)ST	✓	100	1000/500	8.2	128
18279	(4G2,50)ST	✓	100	1000/500	9.9	195
18280	(4G4,00)ST	✓		100/500	11.7	350
18281	(4G6,00)ST	✓		500	14.1	410
18282	(4G10,00)ST	✓			17.6	660
18283	(4G16,00)ST	✓			20.4	978
18284	(4G25,00)ST	✓			25.5	1510
18285	(4G35,00)ST	✓			28.4	1980
18286	(4G50,00)ST	✓			34.5	2840

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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