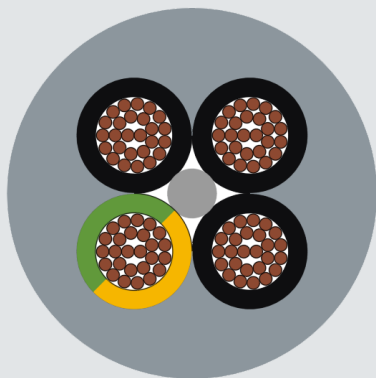


# STATIC APPLICATION



## TECNIFLEX<sup>®</sup> TFX MULTICORE

### APPLICATIVE FEATURES



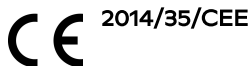
#### MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM <sup>2</sup> )	CROSS SECTION MAX (MM <sup>2</sup> )	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	120.00	15.0xØ (occ. flexing)	4.0xØ

### DESCRIPTION

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. When temperature range application and UV protection are guaranteed (specifically the black sheath version), they are also suitable for outdoor use. Designed for machine connections between control, regulation or measurement systems, computers, and assembly lines, with static or free movement applications without tensile load or forced motion.

### APPROVALS



### 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



**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 [Ø] OR WITHOUT [X] 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**  
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



**UV PERFORMANCE**  
ONLY FOR BLACK RAL 9005 SHEATH:  
EN ISO 4892-3-2006 OR EN ISO 4892-2-2013, METHOD A (COLOUR CHANGING ALLOWED)  
ACC. TO EN 50525-1 CABLES WITH BLACK SHEATH ARE SUITABLE FOR PERMANENT OUTDOOR USE

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
16787	2X0,50	✗	100	500	4.8	35
5418	2X0,75	✗	100	500	5.4	42
8429	2X1,00	✓	100	500	5.8	55
2088	2X1,50	✓	100/200	2000/500	6.3	68
20433	2X2,50	✓	100	500	7.6	109
16788	3G0,50	✗	100	500	5.1	42
18501	3X0,50	✗	100	500	5.1	42
2433	3G0,75	✓	100	500	5.7	55
11087	3X1,00	✗	100	500	6	68
7571	3G1,00	✓	100	500	6	68
13285	3X1,50	✓	100	500	6.8	85
7564	3G1,50	✓	100	500	6.8	85
7570	3G2,50	✓	100	500	8.1	135
27572	3G4,00	✓		500	9.9	200
15297	4X0,50	✓	100	500	5.7	54
9310	4G0,50	✓	100	500	5.7	54
10486	4X0,75	✗	100	500	6.2	66.6
10365	4X1,00	✓	100	500	6.5	84
9409	4G1,00	✓	100	1000/500	6.5	84
15761	4X1,50	✓	100	500	7.4	108
7565	4G1,50	✓	100	500	7.4	108
8475	4G2,50	✓	100	500	8.9	165
8496	4G4,00	✓		100/500	10.8	250
6971	4G6,00	✓		100/500	13	370
6972	4G10,00	✓			15.8	595
9311	5G0,50	✓	100	1000	6.2	63
8580	5G0,75	✓	100	500	6.8	79
7153	5X1,00	✓	100	500	7.2	94
8548	5G1,00	✓	100	1000/500	7.2	94
7566	5G1,50	✓	100	500	8.1	135
7844	5G2,50	✓	100	500	9.5	210
10664	5G4,00	✓		100	12.1	310
10674	5G6,00	✓		100/500	13.5	450
10690	5G10,00	✓			18.1	750
15758	5G16,00	✓			21.2	1200
39285	6X0,50	✓	100	500	6.7	75
13300	7G0,50	✓	100	500	6.7	81
30464	7X0,50	✓	100	500	6.7	81

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
18359	7X1,00	✓	100	500	8	129
7444	7G1,00	✓	100	500	8	129
7450	7G1,50	✓	100	1000/500	8.9	170
7568	7G2,50	✓		100/500	11.1	275
6970	7G4,00	✓		500	13.4	410
9312	8G0,50	✓	100	500	8	100
20151	8X0,75	✓	100	500	8.7	134
914	8G1,00	✓		500	9.5	150
10338	9G1,00	✓		500	10	164
26774	9G1,50	✓		500	11.8	225
15274	10X0,50	✓	100	500	8.6	106
2487	10G0,50	✓	100	500	8.6	106
2238	10G1,00	✓	100	500	10.5	180
7451	10G1,50	✓		100/500	11.8	250
6650	10G2,50	✓		100/500	14	402
7797	12G0,50	✓	100	500	8.9	130
16346	12G0,75	✓			9.9	173
5084	12X0,75	✓		500	9.9	173
7445	12G1,00	✓		100/500	10.5	205
7527	12G1,50	✓		500	12	295
8934	12G2,50	✓		500	14.8	465
10651	14G0,50	✓	100	500	9.5	153
15814	14G1,00	✓		100/500	11.3	238
5413	14G1,50	✓		500	12.7	341
647	16X0,50	✓		500	10	170
20313	16G0,75	✓		500	11	220
15284	16G1,00	✓		500	12	280
7567	16G1,50	✓		500	13.4	370
16978	18G0,50	✓	100	500	10.6	188
4955	18G0,75	✓		500	11.8	244
7446	18G1,00	✓		100/500	12.7	315
7569	18G1,50	✓		500	14.4	441
9313	19G0,50	✓	100	500	10.6	195
11836	19G1,00	✓		100/500	12.7	320
8513	19G1,50	✓		500	14.4	453
10319	19G2,50	✓			18.1	720
17203	20G1,00	✓		500	13.5	335
13660	22G0,50	✓		500	12	223
39287	24X0,50	✓		500	12.4	266
8125	25G0,50	✓		100/500	12.4	261
16347	25G0,75	✓		500	13.9	337
7447	25G1,00	✓		100/500	15.1	420
7596	25G1,50	✓		100	17	595
36863	25G2,50	✓			20.8	935
35468	26G0,75	✗		1000/500	14.1	350

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
28988	31G0,50	✓		500	13.8	305
6140	34G1,00	✓			17.2	565
2883	34G1,50	✓			19.5	781
7448	36G1,00	✓			17.4	595
8126	37G0,50	✓		500	14.2	380
14556	41G0,50	✓			15.8	410
6016	41G0,75	✓			17.6	538
7572	41G1,00	✓			18.8	660
34899	42G0,75	✓			17.8	580
7573	50G1	✓		100	20.9	797
12169	50G1,50	✓			23.6	1160
11335	61G1,00	✓			22.3	970
1469	65G0,75	✓			21.8	840

## INSULATION COLOR: UNEL TABLE COLOUR

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
7689	2X0,50	✗	100	500	4.8	35
7440	2X1,00	✓	100	1000/500	5.8	55
8310	2X1,50	✓	100/200	500	6.3	68
1970	3X0,50	✗	100	500	5.1	42
9309	3G0,50	✓	100	500	5.1	42
1968	3G0,75	✗	100/200	500	5.7	55
7441	3G1,00	✗	100	500	6	68
8089	3G1,50	✓	100	2000/500	6.8	85
8063	3G2,50	✓	100	500	8.1	135
15750	3G4,00	✓		500	9.9	200
6264	4X1,00	✓	100	1000/500	6.5	84
18012	4G1,50	✓	100	1000/2000/500	7.4	108
18271	4G2,50	✓	100	500	8.9	165
18272	4G4,00	✓		500	10.8	250
18273	4G6,00	✓		500	13	370
18274	4G10,00	✓			15.8	595
18275	4G16,00	✓			19	935
18276	4G25,00	✓			23.6	1465
18277	4G35,00	✓			28.5	1980
11677	4G50,00	✓			34.4	2890
7443	5G1,00	✓	100	500	7.2	94
35860	5G2,50	✓		500	9.5	210

**SHEATH COLOUR: MATTE BLACK**

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
35854	2X0,50	✗		1000/500	4.8	35
7152	2X1,00	✓	100	1000/500	5.8	55
22982	2X1,50	✓	100/200	500	6.3	68
19442	3G1,50	✓	100	500	6.8	85
20710	3G2,50	✓	100	500	8.1	135
19350	3X4,00	✓		500	9.9	200
15705	4X1,00	✓	100	500	6.5	84
16630	4G1,50	✓	100	500	7.4	108
16631	4G2,50	✓	100	500	8.9	165
16632	4G4,00	✓		500	10.8	250
26233	5G6,00	✓		500	13.5	450
16633	7G1,50	✓	100	500	8.9	170
16634	7G2,50	✓		500	11.1	275
38189	10G1,00	✓		500	10.5	180
6265	12X2,50	✓		500	14.8	465
7563	25G2,50	✓			20.8	935

**SHEATH COLOUR: MATTE BLACK  
INSULATION COLOR: UNEL TABLE COLOUR**

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
26447	5G1,50	✓	100	500	8.1	135
5825	5G2,50	✓			9.5	210
10182	5G4,00	✓		1000/500	12.1	310

**SHEATH COLOUR: ORANGE  
INSULATION COLOR: ORANGE NUMBERED, RAL 2003**

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
5079	3G1,50	✓	100	500	6.8	85
34056	3G2,50	✓	100	500	8.1	135

**INSULATION COLOR: BLACK, RED**

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
21804	2X1,00	✓	100	1000/500	5.8	55

**SHEATH COLOUR: ORANGE  
INSULATION COLOR: UNEL TABLE COLOUR**

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
16337	3G1,50	✓	100	500	6.8	85

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