

# FLEX-TM-CY

UL/CSA/CE, PVC, Shielded, Oil-Resistant, 600/1Kv



**FLEX-TM-CY** is a flexible, shielded and oil-resistant control cable that is approved for open, unprotected installation in cable trays to machines in dry, damp and wet environments. It is recommended for production lines, bottling plants, machine construction, switch cabinets, conveyor systems, packaging machines and the automotive industry.

► **Construction:**

- Bare copper conductor, fine wire stranded
- Special PVC core insulation with transparent nylon skin
- Black cores with continuous white numbering
- Green-yellow ground wire in outer layer (only products with 3 conductors or more)
- Cores stranded in layers with optimal lay-lengths
- Separating foil
- Braided screening of tinned copper wires, coverage approx. 85%
- Separator
- Specially formulated PVC outer jacket
- Jacket color – grey (RAL 7001)
- Sequential footage marking

► **Technical:**

- PVC controlled cable according to UL Standard 1277
- Temperature range: Flexing -5°C to +90°C
- Temperature range: Fixed installation -40°C to +90°C
- Rated Working Voltage: 600/1000 Volts
- Bending Radius: 6 x Cable Diameter

► **Approvals:**

- UL NFPA 79 2007
- Oil Res I & II, 90 Deg dry / 75 Deg wet, MTW, Class 1 Div. 2 per NEC Art. 501, 336, 392
- CE EG Low-Voltage Directive 2006/95/EG
- CSA AWM I/II, A/B FT4, c(UL) CIC-TC FT4
- RoHS Compliant

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
<b>20 AWG (0,507mm<sup>2</sup>)</b>					
1552002	2	0.276"	7.0mm	23	64
1552003	3	0.299"	7.6mm	28	77
1552007	7	0.370"	9.4mm	46	110
1552012	12	0.433"	11.0mm	72	178
1552025	25	0.634"	16.1mm	161	292
<b>18 AWG (0,963mm<sup>2</sup>)</b>					
1551802	2	0.319"	8.1mm	34	74
1551803	3	0.323"	8.2mm	40	79
1551804	4	0.346"	8.8mm	48	91
1551805	5	0.370"	9.4mm	59	99
1551807	7	0.398"	10.1mm	74	129
1551809	9	0.449"	11.4mm	94	164
1551810	10	0.457"	11.6mm	101	190
1551812	12	0.508"	12.9mm	123	221
1551815	15	0.583"	14.8mm	139	253
1551818	18	0.618"	15.7mm	174	292
1551819	19	0.618"	15.7mm	188	297
1551825	25	0.697"	17.7mm	234	383
<b>16 AWG (1,31mm<sup>2</sup>)</b>					
1551603	3	0.350"	8.9mm	50	97
1551604	4	0.378"	9.6mm	60	115
1551605	5	0.406"	10.3mm	70	126
1551606	6	0.413"	10.5mm	80	136
1551607	7	0.445"	11.3mm	90	164
1551609	9	0.496"	12.6mm	111	207
1551610	10	0.508"	12.9mm	121	232
1551612	12	0.594"	15.1mm	164	284
1551615	15	0.646"	16.4mm	181	296
1551618	18	0.681"	17.3mm	214	343
1551619	19	0.693"	17.6mm	219	337
1551620	20	0.689"	17.5mm	228	350
1551625	25	0.772"	19.6mm	291	472

Sizes continued on next page.



# FLEX-TM-CY

UL/CSA/CE, PVC, Shielded, Oil-Resistant, 600/1Kv



**FLEX-TM-CY Sizes Continued. (14 AWG & Larger )**

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
<b>14 AWG (2,08mm<sup>2</sup>)</b>					
1551403	3	0.386"	9.8mm	75	50
1551404	4	0.421"	10.7mm	81	54
1551405	5	0.457"	11.6mm	101	68
1551407	7	0.492"	12.5mm	134	90
1551409	9	0.591"	15.0mm	161	108
1551410	10	0.642"	16.3mm	177	119
1551412	12	0.665"	16.9mm	235	158
1551415	15	0.720"	18.3mm	274	184
1551418	18	0.768"	19.5mm	316	212
1551419	19	0.776"	19.7mm	339	227
1551425	25	0.917"	23.3mm	437	293
<b>12 AWG (3,31mm<sup>2</sup>)</b>					
1551203	3	0.449"	11.4mm	92	159
1551204	4	0.492"	12.5mm	113	211
1551205	5	0.567"	14.4mm	135	259
1551206	6	0.575"	14.6mm	158	285
1551207	7	0.610"	15.5mm	176	333
1551209	9	0.697"	17.7mm	224	496
1551212	12	0.776"	19.7mm	291	595
1551215	15	0.827"	21.0mm	356	606
1551219	19	0.909"	23.1mm	483	753
1551220	20	0.984"	25.0mm	512	999
1551225	25	1.067"	27.1mm	613	1251
<b>10 AWG (5,26mm<sup>2</sup>)</b>					
1551003	3	0.555"	14.1mm	161	261
1551004	4	0.610"	15.5mm	205	368
1551005	5	0.661"	16.8mm	268	409
1551007	7	0.717"	18.2mm	339	571
1551009	9	0.823"	20.9mm	472	759
1551012	12	0.961"	24.4mm	630	1022
1551019	19	1.083"	27.5mm	812	1309
<b>8 AWG (8,37mm<sup>2</sup>)</b>					
1550804	4	0.736"	18.7mm	359	571
<b>6 AWG (13,3mm<sup>2</sup>)</b>					
1550604	4	0.917"	23.3mm	496	806
<b>4 AWG (21,2mm<sup>2</sup>)</b>					
1550404	4	1.126"	28.6mm	764	1322
<b>2 AWG (33,6mm<sup>2</sup>)</b>					
1550204	4	1.307"	33.2mm	1057	1936

