

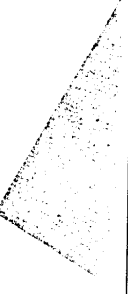

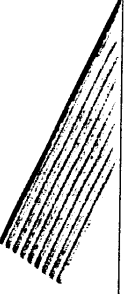



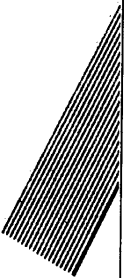



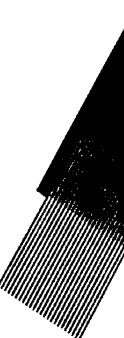




# Cables

A complete line of cable types, including standard round conductor, colour coded, ground plane with and without drain, extended flex life, mass terminatable twisted pair, jacketed, shielded/jacketed, pleated foil and round jacketed configurations.

Properties	Round conductor flat cable					
						
Part number	3749-XX FS	3756-XX FS	3849-XX	3365-XX	2010-XX	3801-XX
Application	Standard applications					
Conductor spacing (mm)	0.635	0.635	0.85	1.27	1.27	1.27
Conductor type	Solid	Stranded	Stranded	Stranded	Stranded	Stranded
Conductor size	30 AWG	30 AWG	30 AWG	28 AWG	28 AWG	26 AWG
Insulation material	TPE	TPE	PVC	PVC	Halogen free organic thermoplastic	PVC
Colour	Grey	Grey	Grey	Grey	Tan	Grey
First conductor marking	Blue	Blue	Red	Red	None	Red
Insulation resistance ( $\Omega / 3m$ )	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$
Conductor quantity	68	68	96	9, 10, 14, 15, 16, 20, 24, 25, 26, 34, 37, 40, 50, 60, 64	10, 14, 16, 20, 25, 26, 34, 37, 40, 50, 60, 64	10, 14, 16, 20, 26, 34, 40, 50, 64
Length (m)	91.44	91.44	91.44	30.48 / 91.44	30.48	30.48
Impedance ( $\Omega$ ) unbalanced	85	82	89	108	107	89
Capacitance (pF/m) unbalanced	53.8	56.8	57.4	42.0	45.9	53.1
Inductance ( $\mu H/m$ ) unbalanced	0.39	0.39	0.46	0.50	0.53	0.43
Propagation delay (ns/m) unbalanced	4.59	4.66	5.12	4.59	4.92	4.72
Voltage rating (v)	150	150	300	300	30	300
Temperature rating ( $^{\circ}C$ )	-40 +105	-40 +105	-20 +105	-20 +105	-40 +105	-20 +105
APPROVALS	UL E42769/ 20297 CSA option	UL E42769/ 20297 CSA option	UL E42769/ 2651 CSA option	UL E42769/ 2651 CSA option	UL E42769/ 20930	UL E42769/ 2651 CSA option

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Colour coded flat cable	Extended flex life flat cable		Twisted pair flat cable		Ground plane cable	Jacketed, shielded flat cable	Round, jacketed flat cable	Round, jacketed twisted pair flat cable
								
3302-XX	3319-XX	3539-XX	1700-XX	3782-XXP-270A	3476-XX	3517-XX	3759-XX	3783-XXP-540A
	High flex life application		High speed applications			EMI/ESD protected I/O interconnections	Protected Input/Output interconnections	
1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
Stranded	19 strands silver plated copper	19 strands tinned copper	Stranded	Stranded	Stranded One drain	Stranded	Stranded	Stranded
28 AWG	28 AWG	28 AWG	28 AWG	28 AWG	28 AWG	28 AWG	28 AWG	28 AWG
PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
10 colour repeat	Black	Grey	10 colour repeat	10 colour repeat	Grey	Black jacket Grey cable	Black jacket Grey cable	Grey jacket 10 colour repeat
Brown	Grey	Red	Brown	Brown	Blue	Red	Red	Brown
> 1 x 10 <sup>9</sup>	> 1 x 10 <sup>10</sup>	> 1 x 10 <sup>10</sup>	> 1 x 10 <sup>10</sup>	> 1 x 10 <sup>9</sup>	> 1 x 10 <sup>10</sup>	> 1 x 10 <sup>10</sup>	> 1 x 10 <sup>10</sup>	> 1 x 10 <sup>10</sup>
9, 10, 14, 15, 16, 20, 24, 25, 26, 34, 37, 40, 50, 60, 64	10, 14, 16, 20, 26, 34, 40, 50, 64	10, 14, 16, 20, 26, 34, 40, 50, 64	10, 16, 26, 34, 40, 50, 64	Pairs 5p, 7p, 8p, 10p, 13p, 17p, 20p, 25p, 32p	16, 20, 26, 34, 40, 50	9, 10, 16, 20, 25, 26, 34, 37, 40, 50, 64	9, 10, 14, 15, 16, 20, 25, 26, 30, 34, 37, 40, 50, 64	Pairs 5p, 13p, 17p, 25p
30.48	30.48	30.48	30.48	30.48	30.48	30.48	30.48 / 91.44	76.20
105	107	106	100	100	65	70	90	90
46.3	43.6	43.8	52	53	82.3	70.5	54.8	87
0.49	0.49	0.49	0.52	0.54	0.36	0.36	0.46	0.56
4.82	4.66	4.64	5.3	5.1	5.4	4.95	4.92	6.0
300	300	300	UL 300 CSA 150	300	UL 300 CSA 150	NEC 725, CL2 CSA 300	NEC 725, CL2 CSA 300	300
UL -20 +105 CSA -20 +80	-20 +105	-20 +105	UL -20 +105 CSA -20 +80	-20 +80	-20 +105	-20 +80	-20 +80	-20 +80
UL E42769/2776 CSA option	UL E42769/2651 CSA option	UL E42769/2651 CSA option	UL E42769/20462 CSA option	UL E65859/20488	UL E42769/2682 CSA option	UL E118773 CL2 (AWM Style 20879)	UL E118773 CL2 (AWM Style 20267)	UL E65859/2935