

DS-3 and DS-4 Interconnect and Cross-connect Cable

735A* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation			
				ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/ft.	pF/m	Stand. Signal (MHz)	dB/100 ft.	dB/100m	

26 AWG Solid .016" (.40mm) Silver-plated Copper Conductor(s) • Beldfoil® + Tinned Copper Braid Shield (93% Coverage)

Foam HDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)

	735A1	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	6.5 12.0	2.9 5.5	26 AWG (solid) .016" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	Beldfoil + 93% TC Braid 5.3Ω/M' 17.4Ω/km	.129	3.38	75	76%	17.7	58.0	2	1.0	.6	2.0
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	735A1T	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	7.5 13.0	3.4 6.0	same as above	.077	1.96	same as above	.129	3.28	x	x			2	1.0	.6	2.0
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PVC insulated tracer.

	73502T	NEC: CMR CEC: CMG	2	500 1000	152.4 304.8	20.0 44.0	9.1 20.0	26 AWG (solid) .017" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	same as above	.179	4.55	x	x			2	1.0	.6	2.0
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22 AWG stranded (7x30) tinned copper PVC insulated tracer.

	735A2	NEC: CMR CEC: CMG FT4	2	500 [†] 1000 [†]	152.4 304.8	14.0 26.0	6.4 11.8	26 AWG (solid) .016" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	same as above	.129	3.28	x	x			2	1.0	.6	2.0
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Slamase versions bonded in parallel, feature zip cord design with printing on one leg. Suitable for outdoor applications.

	735A3	NEC: CMR CEC: CMG FT4	3	500 [†] 1000 [†]	152.4 304.8	27.0 52.0	12.0 23.6	same as above	.077	1.96	same Coax OD: as above	.309	7.85					3	1.0	.6	2.0
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	735A6	NEC: CMR CEC: CMG FT4	6	500 [†] 1000	152.4 304.8	47.0 95.0	21.3 43.1	same as above	.077	1.96	same Coax OD: as above	.399	10.14					6	1.0	.6	2.0
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	735A8	NEC: CMR CEC: CMG FT4	8	500 [†] 1000	152.4 304.8	64.5 125.0	29.3 56.7	same as above	.077	1.96	same Coax OD: as above	.447	11.35					8	1.0	.6	2.0
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	735A9	NEC: CMR CEC: CMG FT4	9	500 [†] 1000 [†]	152.4 304.8	77.0 133.0	34.9 60.5	same as above	.077	1.96	same Coax OD: as above	.484	12.29					9	1.0	.6	2.0
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	735A12	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	94.5 187.0	43.0 85.0	same as above	.077	1.96	same Coax OD: as above	.581	14.76					12	1.0	.6	2.0
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	735A16	NEC: CMR CEC: CMG FT4	16	500 1000	152.4 304.8	126.5 257.0	57.4 116.6	same as above	.077	1.96	same Coax OD: as above	.636	16.15					16	1.0	.6	2.0
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	735A24	NEC: CMR CEC: CMG FT4	24	1000 [†]	304.8	416.0	188.7	same as above	.077	1.96	same Coax OD: as above	.870	22.10					24	1.0	.6	2.0
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Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket

	735A1P	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	7.5 14.0	3.4 6.4	same as above	.077	1.96	same as above	.129	3.28	75	76%	17.7	58.1	(same as above)				
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100% Sweep tested.
RL: 30dB min. at 15 MHz to 95 MHz.

Non-plenum versions comply with
Telcordia Specification GR-139-CORE.

100% Sweep tested.
RL: 30 dB min. at 15 MHz to 95 MHz.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper
See chart on page 6.58 for maximum transmission distances.

*Lucent Technologies reference specification. Belden equivalent. Minimum Return Loss @ 55 MHz to 95 MHz = -35dB.
†Final cut-ups may vary ±10% from length shown for spools or reels and ±5% for UniReel® cartons.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com