

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

734D* 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. of Prop. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | | Nominal Attenuation | | |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|------------------------|--------------------|----------------------|-----|-------------|---------------------|--|--|
| | | | | Ft. | m | Lbs. | kg | | Inch | mm | | Inch | mm | | | Stand. Signal (Mb/s) | MHz | dB/ 100 Ft. | dB/ 100m | | |

20 AWG Solid .032" (.81mm) Silver-plated Copper Conductor(s) • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)

Gas-injected FHDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|--------------------------|----------|-----------------|--------------------|------------------|------------------|---|------|------|---|------|------|----|-----|------|------|---|-----|--------|-----|----|-----|
| | 734D1 | NEC: CMR CEC: CMG FT4 | 1 | 500 1000 | 152.4 304.8 | 16.0 36.0 | 7.3 16.3 | 20 AWG (solid) .032" SPC 10.0Ω/M' 32.8Ω/km | .148 | 3.76 | Beldfoil + 85% TC Braid 2.4Ω/M' 7.9Ω/km | .235 | 5.97 | 75 | 80% | 16.8 | 55.1 | 2 | 1.0 | .3 | 1.0 | | |
| | 734D1T | NEC: CMR CEC: CMG FT4 | 1 w/T | 500 1000 | 152.4 304.8 | 17.5 39.0 | 7.9 17.7 | same as above | .148 | 3.76 | same as above | .235 | 5.97 | | | | | | | CEPT-1 | 1.0 | .3 | 1.0 |
| | 734D2 | NEC: CMR CEC: CMG FT4 | 2 | 500 1000 | 152.4 304.8 | 35.5 66.0 | 16.1 29.9 | same as above | .148 | 3.76 | same as above | .235 | 5.97 | | | | | | | CEPT-2 | 4.2 | .5 | 1.6 |
| | 734D2T | NEC: CMR CEC: CMG FT4 | 2 w/T | 500 † 1000 † | 152.4 † 304.8 † | 37.5 † 73.0 † | 17.0 † 33.1 † | same as above | .148 | 3.76 | same as above | .235 | 5.97 | | | | | | | 10 | 5.0 | .6 | 2.0 |

PVC insulated trace.

Siamese versions bonded in parallel, feature zip cord design with printing on one leg.

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|--------------------------|----------|-----------------|--------------------|--------------------|-------------------|---------------------|--------------------------|--------------|---------------------|------|-------|--|--|--|--|--|--|--------|------|-----|-----|
| | 734D2T | NEC: CMR CEC: CMG FT4 | 2 w/T | 500 † 1000 † | 152.4 † 304.8 † | 37.5 † 73.0 † | 17.0 † 33.1 † | same as above | .148 | 3.76 | same as above | .235 | 5.97 | | | | | | | 20 | 10.0 | .8 | 2.6 |
| | 734D6 | NEC: CMR CEC: CMG FT4 | 6 | 500 † 1000 † | 152.4 † 304.8 † | 141.0 † 290.0 † | 64.1 † 131.8 † | same as above | .148 Coax OD: .235 | 3.76 5.97 | same as above | .772 | 19.61 | | | | | | | CEPT-3 | 17.2 | 1.0 | 3.3 |

Siamese versions bonded in parallel, feature zip cord design with printing on one leg and PVC insulated tracer.

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|--------------------------|----|-----------------|--------------------|--------------------|-------------------|---------------------|--------------------------|--------------|---------------------|-------|-------|--|--|--|--|--|--|------|------|-----|-----|
| | 734D6 | NEC: CMR CEC: CMG FT4 | 6 | 500 † 1000 † | 152.4 † 304.8 † | 141.0 † 290.0 † | 64.1 † 131.8 † | same as above | .148 Coax OD: .235 | 3.76 5.97 | same as above | .772 | 19.61 | | | | | | | DS-3 | 22.4 | 1.1 | 3.6 |
| | 734D12 | NEC: CMR CEC: CMG FT4 | 12 | 500 1000 | 152.4 304.8 | 284.5 555.0 | 129.3 252.3 | same as above | .148 Coax OD: .235 | 3.76 5.97 | same as above | 1.026 | 26.06 | | | | | | | DS-1 | 25.9 | 1.2 | 3.9 |

Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|--------------------------|---|-------------|----------------|--------------|-------------|---------------------|------|------|---------------------|------|------|----|-----|------|------|--|--|--|--|--|--|
| | 734D1P | NEC: CMP CEC: CMP FT6 | 1 | 500 1000 | 152.4 304.8 | 17.0 37.0 | 7.7 16.8 | same as above | .148 | 3.76 | same as above | .215 | 5.46 | 75 | 80% | 17.3 | 56.7 | | | (same as above) | | | |
| | | | | | | | | | | | | | | | | | | | | 100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz. | | | |

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FHDPE = Foam 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. †Final put-ups may vary ±10% from length shown for spools or reels and ±5% for UnReel® cartons.

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

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