



Data Cable Specifications



| PHYSICAL SPECS: | DMX CABLE | COLOR SCROLLER CABLE |
|--------------------------|---|---|
| Conductor | 22 AWG tinned, annealed copper stranded 19/34 | Data pair: 22 AWG tinned, anneal copper stranded 19/34 Power: 14 AWG bare, annealed copper stranded 41/30 |
| Insulation | Color coded pairs, high density polyethylene, Black & White, Red & Green Nom. Wall: 0.0095" Min. Wall: 0.007" | Data pair: color coded high density polyethylene, Red/Green Nom. Wall: 0.0095" Min. Wall: 0.007" Power: Color coded, PVC 80°C, 300 volt, Black/White Nom. Wall: 0.015" Min. Wall: 0.012" |
| Strength Member | Kevlar® | |
| Shield | Inner: Aluminum/Mylar® 100% coverage Outer: Tinned copper braid, 88% coverage | Aluminum/Mylar® around the 22 AWG pair, aluminum side in, 100% coverage |
| Drain | None | 24 AWG tinned, annealed stranded 7/32 |
| Jacket | Black polyurethane Nom. Wall: 0.035" Elongation: 550% Tensile Strength: 4,500 psi | Black PVC Nom. Wall: 0.035" Elongation: 100% minimum Tensile: 2,000 psi minimum |
| O.D. Weight/m ft. | Nominal O.D.: 0.245" Weight: 35 lbs. Per 1,000 ft. | Nominal O.D.: 0.290" Weight: 60 lbs. Per 1,000 ft. |
| ENVIRONMENTAL SPECS: | DMX CABLE | COLOR SCROLLER CABLE |
| Operating Temp | Plus 80°C, Minus 20°C | Plus 80°C, Minus 20°C |
| Conductivity | 15.5 Ohm (max.) per 1,000 ft. @ 25°C | 15.5 Ohm (max.) per 1,000 ft. @ 25°C |
| Impedence | 80 Ohms calculated | Data pair: 60 Ohms calculated |
| Capacitance | 23 pf/ft. nom. cond. to cond. 37 pf/ft. nom. cond. to shield | Data pair: 72 pf/ft. nom., cond. to cond, 51 pf/ft.nom. |

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Apollo Design Technology, Inc. 4130 Fourier Drive, Fort Wayne, IN 46818 USA

Phone: +01.260.497.9191 Fax: +01.260.497.9192

www.apollodesign.net