

**Description:** 24AWG Multi Pair Individually & Collectively Screened Low Capacitance Data Cable For RS 422. Low Smoke Halogen Free Throughout.



### Construction

Conductor Material : Tinned Copper, 24(7)awg  
 Insulation Material : Foamed Polyethylene (FPE)  
 Individual Screen : Aluminium Foil, Each Pair (100% Coverage)  
 Drain Wire : Tinned Copper, 24(7)awg  
 Individual Tape : Polyester, Each Pair  
 Overall Screen 1 : Aluminium Foil (100% Coverage)  
 Overall Screen 2 : Tinned Copper Wire Braid (90% Coverage)  
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)  
 Outer Sheath Colour : Grey  
 Core Identification : Colour Chart 3  
 Alternative to Belden : 8162 to 8167

### Electrical Characteristics

Nominal Conductor Resistance : < 86 Ω/km  
 Insulation Resistance : > 200MΩ.M  
 Characteristic Impedance : 100 Ω  
 Capacitance Core to core : 41 pF/m  
 Core to screen : 72 pF/m  
 Nominal Velocity of Propagation : 78%  
 Voltage Rating : 450/750V *Applies to CE marked FSC branded stock only*  
 Test Voltage : 2.5kV for 5 minutes

### Physical Characteristics

Min. Bend Radius : 10 x OD  
 Temperature Rating : -20°C to +60°C  
 Weight : See table

### Standards

Flame Retardant : EN 60332-1-2  
 Low Smoke Generation : EN 61034-2  
 Halogen Gas Emission : EN 60754-1&2  
 RoHS2 Compliant : Yes  
 CE Compliant : LVD (2014/35/EU)

Part No.	Alternative to Belden	No. of Pairs	O/D (mm)	Weight kg/km
2402PTMFH	8162	2	8.2	92
2403PTMFH	8163	3	8.3	104
2404PTMFH	8164	4	9.8	121
2407PTMFH	8167	7	11.3	158

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### American Style Colour Charts

#### Chart 3

1 Black/Red	10 Red/Blue	19 White/Blue	28 Orange/Yellow
2 Black/White	11 Red/Yellow	20 White/Yellow	29 Purple/Orange
3 Black/Green	12 Red/Brown	21 White/Brown	30 Purple/Red
4 Black/Blue	13 Red/Orange	22 White/Orange	31 Purple/White
5 Black/Yellow	14 Green/White	23 Blue/Yellow	32 Purple/Dark Green
6 Black/Brown	15 Green/Blue	24 Blue/Brown	33 Purple/Light Blue
7 Black/Orange	16 Green/Yellow	25 Blue/Orange	34 Purple/Yellow
8 Red/White	17 Green/Brown	26 Brown/Yellow	35 Purple/Brown
9 Red/Green	18 Green/Orange	27 Brown/Orange	36 Purple/Black