



**Technical Specification**

Basic conductor: Solid AWG 23/1  
 Insulation: SFS-PO  
 Total number of insulated conductors: 8 , Twisted in 4 pairs  
 Color code: Blue-White, Orange-White, Green-White, Brown-White  
 Individual pair shielding: Aluminium foil, providing 100% coverage  
 Overall shielding: Tin coated copper wire braid, 35% nom.coverage  
 Outer jacket: Low smoke, zero halogen, flame retardant, non corrosive compound for indoor use  
 Outer jacket: Thickness: 0.6mm nom  
 Outer braid: 8/7/0.12mm Al&Mg  
 Copper (kg/km): 30  
 Bending radius: dynamic 8 x D mm min, static 4 x D mm min  
 Storage temperature: -20°C - + 75°C  
 Installation temperature: 0°C - +50°C  
 Operating temperature: 20°C - +60°C  
 Standard Of Flame Retardancy: IEC 60332-1 (fire), IEC 60754 (gas), IEC 61034 (smoke)  
 Tensile loading: 150N Max  
 Caloric value: 650KJ/m  
 Mean impedance: 100±50ohm at 1 Mhz-600Mhz  
 Total weight: 68kg/km nom  
 Vp: 75%-77% nom  
 Capacitance: 40pF/m nom at 1 KHz  
 Capacitance unbalance to ground: 1.6 pF/m max at 1 KHz  
 Insulation resistance: 0.5GOhm\* Km min  
 DC Resistance: 72 Oh/Km max (2% max resistance unbalance)  
 DC Loop resistance: 147 Ohm/Km max. (2% max resistance unbalance)  
 Voltage resistance: 72Vdc max  
 Coupling attenuation: 85dB min at 30Mhz-100Mhz, 82-20Log(f/100)dB min at 100Mhz-1000Mhz  
 PS-ANEXT loss: 92.5-15Log(f)dB min. at 1Mhz-600Mhz (67dB max)  
 PS-AACRF 78.2-20Log(f)dB min. at 1Mhz-600Mhz (67dB max)  
 Phase delay: 534+36/f½ nS/100m max at f=1MHz-1000Mhz  
 Delay skew: 25nS/100m max

Part Number	Description	Length/Drum
N2335B-5-OG	CAT 7 23AWG 4 pairs S-FTP Cable, LSZH Jacket: Orange Colour	500Meters