Data & Instrument

Screened Signal Cable

Application:

For connection of low voltage signal, audio and instrument equipment. Used where EMI screening is required

Benefits	
EMI Shielding	Tinned copper braid reduces the affect of electrical interference throughout the frequency spectrum
Extremely Flexible	Flexible conductor and braid stranding allow for high flexibility
Easy to Install	Flexible cable using class 5 conductors
Easy to Solder	Tinned copper conductors for easy adhesion
Marine Applications	Tinned copper conductors minimise corrosion in marine environments

Features

- ✓ Copper braid with minimum coverage of 80% gives excellent EMI shielding
- ✓ V90-HT insulation for high temperature applications
- ✓ Oxygen free tinned copper for high conductivity soldered connections and corrosion protection
- ✓ Fine stranded conductors for high flexibility
- ✓ Highly flexible 5V90 PVC sheath for easy bending
- ✓ UV resistant black sheath provides extended outdoor life
- ✓ RoHS compliant to comply with European environmental requirements

Construction	
Conductor	Oxygen free tinned annealed copper wire, class 5
Insulation	V90-HT PVC
Screening	Oxygen free tinned annealed copper wire, minimum coverage 80%
Sheath	5V90 PVC
Colours	1 Core – Red 2 Core – Red & white, 3 Core – Red, blue & green 4 Core – Red, black, yellow & blue 6 Core – Black, blue, green, red, white & yellow

Ratings	
Temperature	-10°C to + 90°C
Voltage	ELV - 50V a.c. 120V ripple free d.c.
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS1660.5.6, IEC 60228, IEC 60332-1

Flexible Conductor: Class 5

Cu — Oxygen Free, Tinned Copper for Corrosion Resistance

-10°C — Minimum Service Temperature: -10°C

90°C — Maximum Service Temperature: 90°C

Impact Resistant

Abrasion Resistant

Chemical & Oil Resistant

UV Resistant

Flame Non-Propagation

1m — Metre Marking

r (6 x cable diameter) — Minimum Recommended Bend Radius Fixed 6 x OD

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Data and Instrument - Collectively Screened

Bambach Item Code	No. of Cores x Conductor CSA mm²	Conductor Stranding No. Strands/mm	Nom Ø mm	Weight kg/km
11320	1 x 0.5	16/0.20	4.0	24
15700	2 x 0.5	16/0.20	5.6	44
19280	3 x 0.5	16/0.20	5.6	60
22120	4 x 0.5	16/0.20	5.8	69
22550	6 x 0.5	16/0.20	7.3	81
11675	1 x 0.75	24/0.20	5.2	46
11955	1 x 1	32/0.20	5.4	50

Electrical Parameters

Bambach Item Code	Max. Conductor DC Resistance at 20°C	Capacitance Core – Core, 1kHz pF/m	Capacitance Core – Screen, 1kHz pF/m	Inductance Parallel Cores, 1kHz µH/m	L/R µH/Ω
11320	40.1	-	445	-	-
15700	40.1	183	-	0.63	7.9
19280	40.1	183	-	0.63	7.9
22120	40.1	183	-	0.63	7.9
22550	40.1	183	-	0.63	7.9
11675	26.7	-	320	-	-
11955	20.0	-	353	-	-