



**DEFENCE STANDARD EQUIPMENT WIRE**

Def Stan 61-12 reference

25 orderable sizes

<b>STANDARD</b> Def Stan 61-12 reference	<b>VOLTAGE CLASS</b> Equipment wire voltage by part reference	<b>CONDUCTOR</b> Tinned copper conductor
<b>INSULATION / JACKET</b> LSZH, HFFR or equipment-wire jacket system		

**Construction**

- 1 ■ **Conductor (per core)** – Tinned copper conductor · 7 × Ø0.43 mm · IEC 60228 cl.2
- 2 ■ **Core insulation** – Defence-grade thin wall or standard wall insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Sheath** – LSZH, HFFR or equipment-wire jacket system

**Size selection — all available cross-sections**

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 1 core 0.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	1 core	0.5 mm <sup>2</sup>	39.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	8.8 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 1 core 0.75 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	1 core	0.75 mm <sup>2</sup>	26.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	9.1 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 1 core 1.0 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	1 core	1.0 mm <sup>2</sup>	18.5 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	9.3 mm
Def Stan 61-12 equipment wire High-density	High-density	Vehicle, aircraft	1 core	1.5 mm <sup>2</sup>	13.3 Ω/km conductor	Compact LSZH or HFFR	Compact equipment,	9.8 mm

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
density equipment wiring Vehicle, aircraft equipment and electronics bay 1 core 1.5 mm <sup>2</sup>	equipment wiring	equipment and electronics bay			resistance	construction	vibration and low-smoke duty	
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 1 core 2.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	1 core	2.5 mm <sup>2</sup>	7.98 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	10.5 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 2 core 0.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	2 core	0.5 mm <sup>2</sup>	39.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	9.4 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 2 core 0.75 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	2 core	0.75 mm <sup>2</sup>	26.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	9.7 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 2 core 1.0 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	2 core	1.0 mm <sup>2</sup>	18.5 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	10.0 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 2 core 1.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	2 core	1.5 mm <sup>2</sup>	13.3 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	10.4 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 2 core 2.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	2 core	2.5 mm <sup>2</sup>	7.98 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	11.1 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 4 core 0.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	4 core	0.5 mm <sup>2</sup>	39.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	10.2 mm

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 4 core 0.75 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	4 core	0.75 mm <sup>2</sup>	26.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	10.5 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 4 core 1.0 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	4 core	1.0 mm <sup>2</sup>	18.5 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	10.8 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 4 core 1.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	4 core	1.5 mm <sup>2</sup>	13.3 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	11.2 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 4 core 2.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	4 core	2.5 mm <sup>2</sup>	7.98 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	11.9 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 7 core 0.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	7 core	0.5 mm <sup>2</sup>	39.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	11.2 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 7 core 0.75 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	7 core	0.75 mm <sup>2</sup>	26.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	11.5 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 7 core 1.0 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	7 core	1.0 mm <sup>2</sup>	18.5 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	11.7 mm

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Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 7 core 1.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	7 core	1.5 mm <sup>2</sup>	13.3 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	12.2 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 7 core 2.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	7 core	2.5 mm <sup>2</sup>	7.98 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	12.8 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 12 core 0.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	12 core	0.5 mm <sup>2</sup>	39.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	12.4 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 12 core 0.75 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	12 core	0.75 mm <sup>2</sup>	26.0 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	12.7 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 12 core 1.0 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	12 core	1.0 mm <sup>2</sup>	18.5 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	12.9 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 12 core 1.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	12 core	1.5 mm <sup>2</sup>	13.3 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	13.3 mm
Def Stan 61-12 equipment wire High-density equipment wiring Vehicle, aircraft equipment and electronics bay 12 core 2.5 mm <sup>2</sup>	High-density equipment wiring	Vehicle, aircraft equipment and electronics bay	12 core	2.5 mm <sup>2</sup>	7.98 Ω/km conductor resistance	Compact LSZH or HFFR construction	Compact equipment, vibration and low-smoke duty	14.0 mm