

Defence Standard S LSOH UV Resistant Technical Data Sheet



Voltage rating	Temperature range	Min. bending radius	Insulation resistance	Conductor resistance
440V	-20°C to +70°C	12 x OD	Min. 53M Ω /km at 20°C	0.5mm - max. 40.1 Ω /km at 20°C

<u>Conductor:</u>	Class 5 tinned annealed fine copper wires
<u>Insulation:</u>	HFFR compound
<u>Sheath:</u>	HFFR compound, UV Resistant
<u>Screen:</u>	Tinned copper drain wire (16x0.20mm), in contact with AL-PES foil
<u>Lay up:</u>	Cores stranded in layers with optimal lay-length wrapped with PES tape
<u>Construction:</u>	Gen. to DEF STAN 61-12 Part 5
<u>Standards:</u>	Flame retardancy according to IEC 60332-1 Droplets according to IEC 60332-1-3 Halogen content according to IEC 60754 1-2 Smoke emission according to IEC 61034 1-2
<u>CPR Class:</u>	Eca

Part number	Conductor (No/mm)	Diameter of conductor (mm)	Thickness of insulation (mm)	Diameter of insulation (mm)	Diameter of screen (mm)	Thickness of sheath (mm)	Overall diameter (mm)	Approx. weight (kgs/km)
16-2-2S	16/0.2	0.95	0.45	1.85	3.85	0.8	5.45	40
16-2-4S	16/0.2	0.95	0.45	1.85	4.65	1.0	6.65	55
16-2-6S	16/0.2	0.95	0.45	1.85	5.7	1.0	7.7	85
16-2-8S	16/0.2	0.95	0.45	1.85	6.1	1.0	8.1	95
16-2-12S	16/0.2	0.95	0.45	1.85	7.8	1.0	9.8	135
16-2-18S	16/0.2	0.95	0.45	1.85	9.4	1.0	11.4	185