



GSE 8.18mm ARMoured COAXIAL CABLE

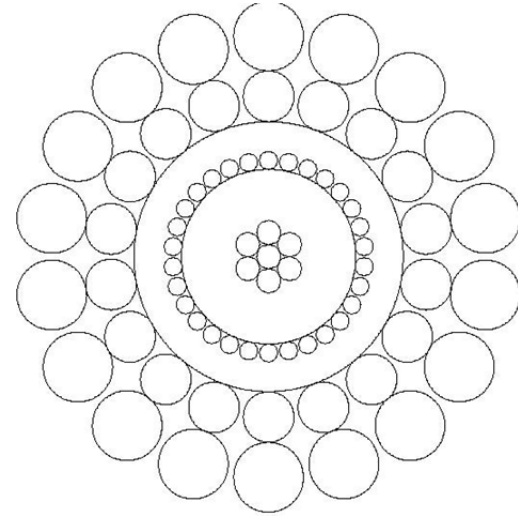
Description

ELEMENT A; Coax

	mm
Cdr: #18 AWG (0.82 mm ²) Cu 0.046	1.17
Ins: Wall EPC 0.110	2.79
Shld: #14 AWG (1.94 mm ²) Cu 0.133	3.38
Belt: Wall EPC 0.170	4.57

ARMOR

Layer #1: 18/0.032" GIPS 0.234	5.94
Layer #2: 18/0.044" GIPS 0.322	8.18



PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

PHYSICAL

Weight in Air	266 kg/km
Weight in Seawater	222 kg/km
Specific Gravity (Seawater)	6.2

MECHANICAL

Breaking Strength	42.7 kN
Working Load	17.1 kN
Minimum Bend Radius	18 cm

ELECTRICAL

Voltage Rating	1,200 V
dc Resistance Conductor	23.0 Ω/km
Shield	10.5 Ω/km
Armour	8.2 Ω/km
Insulation Resistance	15,000 MΩ•km
Capacitance	131 pF/m
Characteristic Impedance	@ 1 MHz 39 Ω
Attenuation	@ 0.5 MHz 11.2 dB/km
	@ 1 MHz 15.8 dB/km