On Board Indian Naval Ships and Crafts Cables

EED – 50 -12 - Thin walled, Insulated, Electron Beam Cross–linked Irradiated Electric Cables

Construction	:	Multipair, Multicore, Multitriad Cables, Unscreened/Individually screened/ Collectively Screened 600 V, 1800 V (for Single Core Cables)
Conductor	:	Circular Electroplated, Annealed Tinned flexible copper conductor (class V) conformity to IEC - 60228
Insulation	:	Electron Beam Cross linked Polyolefin compound (EPR/EPDM LFH)
Screening	:	Annealed Tinned Copper Braid/ GI Wire Braid
Outer Sheath	:	Electron Beam Cross Linked Polyolefin Compound (EVA/EMA/EEA LFH)
Temperature Range	:	-65° C to 120° C
Application	:	For use on board surface ships and crafts for power, control, lighting. For submarines for communication and instrumentation circuits

EED – 50 -13 - Fire Survival, High Temperature Zone, Fire Retardant Halogen Free Sheathed Electron Beam Cross–linked Irradiated Cables.

Construction	:	Single Core, Twin and 3 Core, Multicore, Multipair, Multitraid, Multiquad cables, Screened/Individually Screened/Collectively Screened.
Voltage Grade	:	440 V
Conductor	:	Circular Electroplated, Annealed Tinned Flexible Copper Wire (Class 5) confirming to IS **:** 8130-1984/ IEC - 60228
Temperature Range	:	- 30° C to +120° C
Protective Barrier	:	Fibre Glass Braid/Lacquer Mica glass tape to meet the Fire Performance
Insulation	:	Electron Beam Cross Linked Silicone Rubber Compound
Separator Tape	:	Polyester Tape
Braiding	:	Annealed Tinned Copper Braid (wherever applicable)
Outer Sheath	:	Electron Beam Cross Linked Polyolefin Compound EED 50-12
Application	:	Power, Lighting, Control & Communication and Instrumentation Circuits in Surface Ships and Submarines. Used in Fuel and Lubrication Oils, Hydraulic Fluids and Water Surfaces