

Terminology

Common abbreviations and their definitions

Terms

Cable terminology		
Short name	Definition	Where used
AL	Aluminium wire or foil	Conductor
CCS / CWS	Copper Covered Steel wire / Copper-Weld Steel	
CU	Copper wire or foil	
GAL ST	Galvanised Steel wire	
HSA	Silver plated High Strength copper Alloy wire	
NPC	Nickel Plated Copper wire	
SCCS / SCWS	Silver plated Copper Covered Steel wire / Silver plated Copper-Weld, Steel	
SPC	Silver Plated Copper wire	
ST ST	Stainless Steel wire	
TPC	Tin Plated Copper wire	
Al/Pr	Aluminium backed Polyester foil	Fillers and tapes
Cu/Pr	Copper backed Polyester foil	
HT	High Temperature (glass yarn) filler	
LT	Low Temperature filler (typically solid, some sizes extruded over a thin thread)	
SW	Water-Swelling tape or filler	Finished cables
HFJ	Halogen Free Jacket (sheath)	
ST	Screened and Twisted without a jacket (sheath)	
STJ	Screened, Twisted and Jacketed (sheathed)	
T	Twisted wires, without screen or jacket (sheath)	
TJ	Twisted and Jacketed (sheathed)	Plastics
FPI	FluoroPolymer Insulation (can also refer to an outer sheath)	
HFI	Halogen Free Insulation	
HFR	Halogen Free Rubber insulation or sheath	
HFS	Halogen Free Sheath	
LSI	Cross-Linked fluoropolymer Sheath or Insulation	
MPR	Melt Processable Rubber insulation or sheath	
TPS	ThermoPlastic Sheath	
TPU	Thermoplastic PolyUrethane	Cable properties
TWI	Tape Wrapped Insulation (can also refer to an outer sheath)	
FR	Flame Retardant	
HFFR	Halogen Free, Flame Retardant insulation or sheath	
LFH	Low Fire Hazard	
LSF	Low Smoke and Fume emission	
LSZH (LS0H)	Low Smoke, Zero Halogen emission	
RAD TOL	Radiation Tolerant	
UL	Underwriters Laboratories certified product	
XL	X-linked (cross-linked) product, either by electron-beam irradiation, or a chemical curing process	
ZH	Zero Halogen emission	