

Definitions / Abbreviations

AWG	(American wire gage) - A standard system for designating wire diameter.
Continuous Working Voltage	The Designated rms voltage that the cable can support continuously under specified conditions
Corona	The ionization of surrounding air by high voltage sometimes appearing as a luminous on the color on the surface of a conductor.
FEP	Fluorinated ethylene propylene.
FEP (Type IX)	Extruded, fluorinated ethylene propylene (FEP) transparent enough to permit the reading of marking tape through the jacket.
Form Poly.	Low Loss, closed cell polyethylene form.
MIL-C-17	Cables, radio frequency, flexible and semi-rigid, general specification. A military specification approved for use by all departments and agencies of the Dept. of Defense.
NA	Not available.
PE	Polyethylene.
PE (Type A-1)	Solid polyethylene (PE) conforming to L-P-390, Type 11, class 1, grade 3, low-density type
PFA	Perfluoroalkoxy.
PFA (Type X111)	Perfluoroalkoxy (PFA) in accordance with ASTM D-3307, Type 1, having a tensile strength of 3,000 lb/(in-in), and a minimum elongation of 275%.
Power Handling	Based on the center conductor temperatures when power is applied versus the temperature rating of the material.
PTFE	Polytetrafluoroethylene.
PTFE (Type F-1)	Solid, extruded polytetrafluoroethylene (PTFE), conforming to ASTM D1457.
PVC (Type 11A)	Non - contaminating type of medium - low - temperature, plasticized or compounded, polyvinylchloride(PVC), or polyvinylchloride - acetate in accordance with MIL-L-3930, Type JP, and colored black.
Silver-Coated	Conforming to ASTM B-298, except the thickness of the silver coating shall not less than
Copper Clad Steel Wire	0.000040 inches.
Silver-Coated	Conforming to ASTM B-298, except the thickness of the silver coating shall not less than
Copper Wire	0.000040 Inches.
Tape Braid Composite	Aluminum laminated tape bonded to the dielectric with a tinned copper composite overbraid.
UV Protected Poly.	Black, UV Protected Polyethylene.
VSWR	The ratio between the maximum and the minimum voltage along a transmission line. It is directly VSWR is a scalar quantity giving an indication of transmission line quality.

References

Haverhill Cable & Manufacturing Corp., Haverhill, MA

Times Microwave Systems, Wallingford, CT

MIL-C-17 Revision F, National Standard Association, Gaithersburg, MD