CORNING

Not all cable manufacturers are the same

16 questions you should ask your cable manufacturer about outdoor cable

1. Is the cable an accepted product of the U. S. Department of Agriculture Rural Development Utilities Program (RDUP) 7 CFR 1755.900 (PE-90) and does it meet the requirements of ANSI/ICEA Standard for Fiber Optic Outside Plant Communications Cable, ANSI/ICEA S-87-640-2006 and GR-20-CORE?
2. Is each fiber distinguishable by means of color coding in accordance with TIA/EIA-598-B, Optical Fiber Cable Color Coding?
3. Are the buffer tubes containing fibers color coded with distinct and recognizable colors in accordance with TIA/EIA-598-B, Optical Fiber Cable Color Coding?
4. Are the buffer tubes resistant to external forces and do they meet the buffer tube cold bend and shrink back requirements of 7 CFR 1755.900?
5. Is the MDPE jacket material defined by ASTM D1248, Type II, Class C, Category 4 and Grades J4, E7, and E8?
6. Is the cable tested for fluid penetration in accordance with FOTP-82, Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable?
7. Is the cable tested for compound flow (drip) in accordance with FOTP-81, Compound Flow (Drip) Test for Filled Fiber Optic Cable?
8. Is the cable tested for lightning damage in accordance with FOTP-181, Lightning Damage Susceptibility Test for Optic Cables with Metallic Components?
9. Is the cable temperature-range tested in accordance with FOTP-3?
10. Is the cable tested for crush resistance in accordance with FOTP-41, Compressive Loading Resistance of Fiber Optic Cables?
11. Is the cable tested for cyclic flexing in accordance with FOTP-104, Fiber Optic Cable Cyclic Flexing Test?
12. Is the cable tested for high- and low-temperature bend performance in accordance with FOTP-37, Low or High Temperature Bend Test for Fiber Optic Cable?
13. Is the cable tested for impact resistance in accordance with FOTP-25, Repeated Impact Testing of Fiber Optic Cables and Cable Assemblies?
14. Is the cable tested for twist-bend performance in accordance with FOTP-85, Fiber Optic Cable Twist Test?
15. Is the cable tested for tensile and fiber strain in accordance with FOTP-33, Fiber Optic Cable Tensile Loading and Bending Test, and FOTP-38, Measurement of Fiber Strain in Cables Under Tensile Load?
16. Is the cable manufacturer ISO 9001 registered?

Corning says **YES** to all of these questions.

References to standards are those in effect at the time of publication. They are subject to periodic revision and you are encouraged to refer to the most current version.