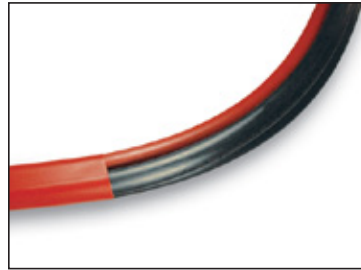
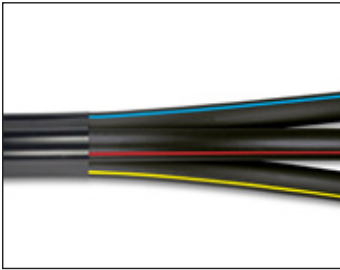
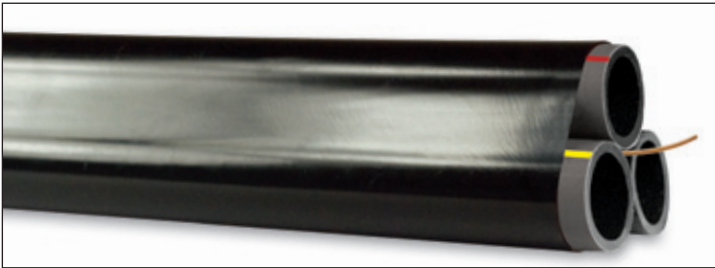


ConQuest® Detectable SubDuct



1100 CommScope Place SE
 P.O. Box 1729 Hickory, NC 28603-1729
 (800) 982-1708 • (828) 324-2200
 Fax: (828) 328-3400 • www.commscope.com



Outer Conduit Specifications	
Overall Nominal Outside Diameter	2"
Nominal Wall Thickness (inches)	0.030

SubDuct Specifications	
Nominal Size	3/4"
Nominal Outside Diameter (inches)	1.050
Minimum Wall Thickness (inches)	0.095
Nominal Inner Diameter (inches)	0.840
Min. Bend Radius Unsupported (inches)	12
Max Pulling Tension (lbs.)	605 ea.
Weight (lbs./1000ft)	130 ea.

This unique design combines three standard 3/4" high density polyethylene conduits under a single jacket for easy installation and use of industry standard connectors. The SDR 11 rated inner conduits provide necessary protection and are ideally sized for the installation of standard all-dielectric fiber cables up to 144 count fibers. Furthermore, the fully integrated 18AWG Copper Covered Steel tonewire is excellent for locating all-dielectric fiber optic cables. The outer jacket can be easily removed providing access to the inner conduits allowing for easy installation in confined areas such as underground pedestals.

Material Specifications

The conduit meets or exceeds the standards in ASTM D 3350-05 for Type III, Class PE 334480E (colors with UV stabilizer) or Class C (black), high density polyethylene.

Property	Test Method	Conduit Value	Typical Upjacket Value
Density (g/cm ³)	D792A or D1505	0.941 - 0.955	0.932 - 0.937
Melt Index (g/10 min)	D1238	0.39 max.	0.55 - 0.85
Flexural Modulus (psi)	D790	80,000 min.	45,000 min.
Tensile Strength @ Yield (psi)	D638	3,000 min.	3,000 min.
ESCR, Condition B	D1693	F10 > 96 hours	F0 > 1000 hours
Hydrostatic Design Basis (psi)	D2387	NPR*	NA

* Not Pressure Rated

The CCS tone wire provides the necessary amount of copper to carry a signal over extended distances and a steel core for strength and durability. The tone wire has a polypropylene insulation, which not only protects the wire from corrosion, but also ensures the integrity of the tone signal.

Insulation		Conductor	
Type	Polypropylene	AWG	18 gauge CCS
Thickness (inches)	0.008 nominal	Diameter (inches)	0.0403
Dielectric Strength (volts/mil)	600	Resistivity (Ohms/1000 ft)	26.7
Tensile Strength @ Yield (psi)	4,500 min.	Tensile Strength @ Break (psi)	120,000 min.
Elongation @ Break (%)	200 min.	Elongation @ Break (%)	1 max.

Ultraviolet Protection

Non-black conduit shall contain sufficient protection against UV radiation for a period not less than one year. Black conduit contains sufficient protection against UV radiation in long term above ground applications.

ISO 9001 Registration - Statesville, NC Facility

ISO manufacturing certification is another proof of CommScope's commitment to manufacturing excellence in all aspects of its operations. Our policy is to design, manufacture and deliver products and services which conform to specifications and satisfy your requirements and expectations in every way.