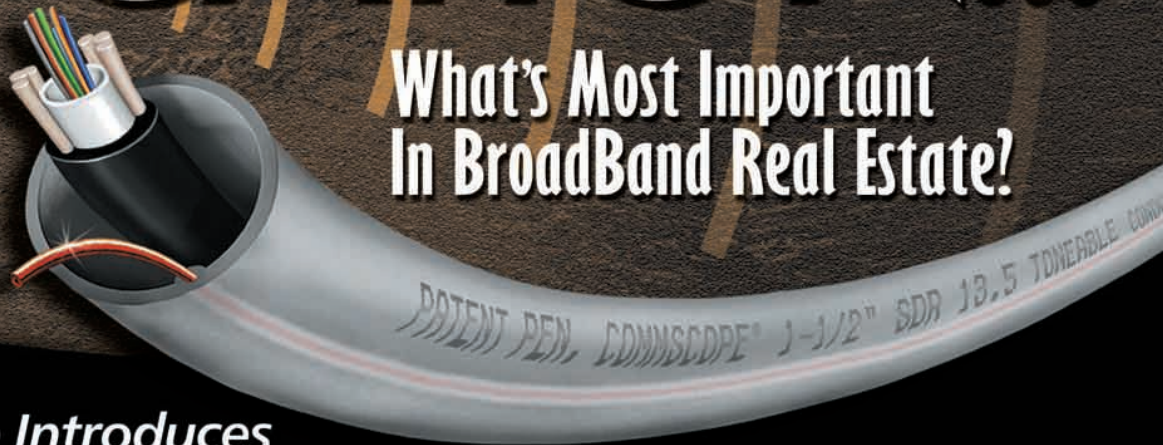


LOCATION, LOCATION, LOCATION...

What's Most Important
In Broadband Real Estate?



CommScope Introduces

Con♦Quest® Toneable Conduit™



Buried cable assets need to be found by broadband network owners and not by backhoe operators. CommScope rises to the challenge with **ConQuest Toneable Conduit** – a select grade high density polyethylene conduit with an integrated 18 gauge copper clad steel (CCS) tone wire.

This unique, patent-pending conduit, offers a large gauge fluoropolymer-coated tone wire fully embedded within a reinforced conduit wall. This design provides easy access to the tone wire at termination points by means of simply "ripping out" the wire with common hand tools.

Even better news – ConQuest Toneable Conduit **SAVES LABOR DOLLARS!**

Install conduit, cable, and tone wire all in one motion, with one product – ConQuest Toneable Cable In Conduit.

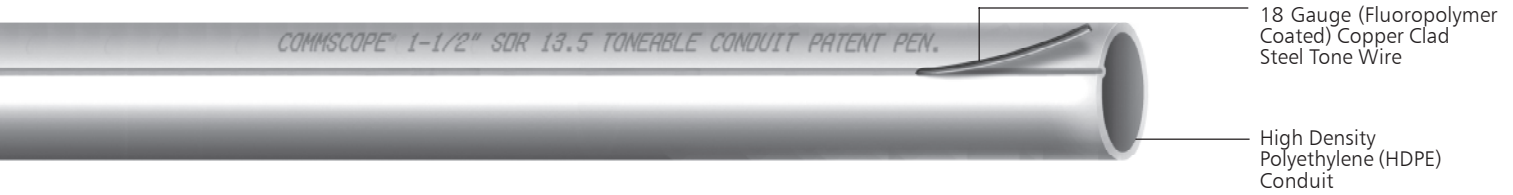
FEATURES

- Fully embedded tone wire
- High strength 18 gauge copper clad steel tone wire
- Fluoropolymer coating on the tone wire

BENEFITS

- Precision locating of the conduit, with no special coupling requirements, and no field worries of wire and conduit separation.
- Easily extracted from the conduit wall without damaging the wire. Able to transmit a toneable signal over extended distances and depths.
- Facilitates extraction from the wall and acts as moisture barrier where exposed.

ConQuest® Toneable Conduit™ Specifications



18 Gauge (Fluoropolymer Coated) Copper Clad Steel Tone Wire

High Density Polyethylene (HDPE) Conduit

Spliced ConQuest Toneable Conduit

(shown here using a compression tee coupling)



Conduit Data

CommScope's conduit is made from Type III, Category 5, Class C (black), Class B (colors), high-density polyethylene and meets the latest requirements from ASTM D 3350. Each reel contains a continuous length free from voids, welds or surface defects (inside or outside).

Conductor Data

AWG	18 gauge copper clad steel
Diameter	0.0403 inches
Resistivity	26.7 Ohms/1000 ft.
Tensile Strength	120k lb./inch (150 lbs)
Min. Elongation	1%

Insulation Data

Type	Fluoropolymer
Thickness	0.008 inches nominal
Dielectric Strength	3200 volts/mil
Tensile Strength	3000 lb/in ²
Elongation	250%

SDR 11 Dimensional Requirements

Nominal Size	Outside Diameter (in.)	Wall Thickness (in.)	Nominal Inner Diameter (in.)	Min. Bend Radius Unsupported (in.)	Max Pulling Tension (lbs.)	Weight* (lb/1000ft)
1"	1.315 ± 0.007	0.120 + 0.020	1.055	14	950	210
1 1/4"	1.660 ± 0.008	0.151 + 0.020	1.338	18	1,520	326
1 1/2"	1.900 ± 0.010	0.173 + 0.021	1.533	20	1,760	422
2"	2.375 ± 0.012	0.216 + 0.026	1.917	26	3,105	646

SDR 13.5 Dimensional Requirements

Nominal Size	Outside Diameter (in.)	Wall Thickness (in.)	Nominal Inner Diameter (in.)	Min. Bend Radius Unsupported (in.)	Max Pulling Tension (lbs.)	Weight* (lb/1000ft)
1"	1.315 ± 0.007	0.097 + 0.020	1.101	14	790	175
1 1/4"	1.660 ± 0.008	0.123 + 0.020	1.394	18	1,260	281
1 1/2"	1.900 ± 0.010	0.141 + 0.020	1.598	20	1,455	350
2"	2.375 ± 0.012	0.176 + 0.021	2.002	26	2,580	538

SCH 40 Dimensional Requirements

Nominal Size	Outside Diameter (in.)	Wall Thickness (in.)	Nominal Inner Diameter (in.)	Min. Bend Radius Unsupported (in.)	Max Pulling Tension (lbs.)	Weight* (lb/1000ft)
1"	1.315 ± 0.007	0.133 + 0.020	1.029	14	1,050	225
1 1/4"	1.660 ± 0.008	0.140 + 0.020	1.360	18	1,420	301
1 1/2"	1.900 ± 0.010	0.145 + 0.020	1.590	20	1,700	359
2"	2.375 ± 0.012	0.154 + 0.020	2.047	26	2,300	478

*Weight does not include reels.

ConQuest Toneable Conduit joins CommScope's family of ConQuest Conduit products, which includes:

Factory Pre-assembled Cable-in-Conduit (CIC), ConQuest Empty Conduit (CEC), Whupp® Cable Pulling Lubricant and other Conduit Accessories.

For more information on any of our products please contact your CommScope sales representative today.



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