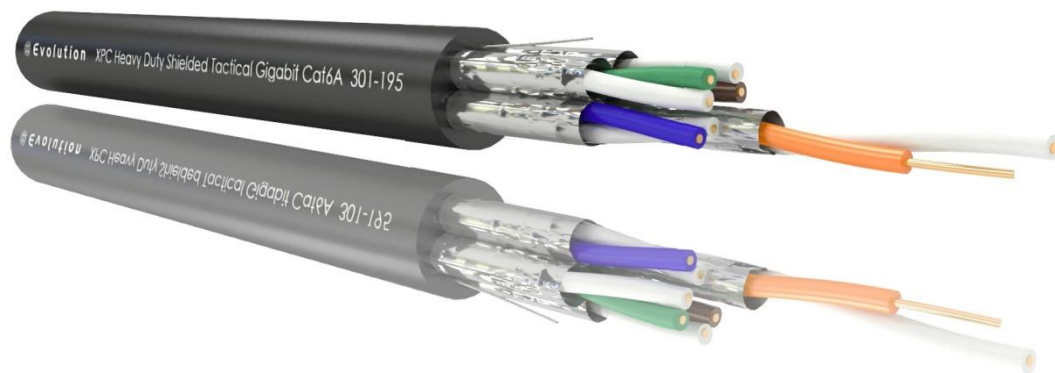


Evolution XPC Heavy Duty Shielded Tactical Cat6A



Product overview

Part number	301-195
Product description	Evolution XPC Heavy Duty Shielded Tactical Cat6A

Cable construction

Conductor	0.520mm solid bare copper wire
Insulation	Foam PE OD:1.25±0.05mm Color: White, Blue, Orange, Green, Brown
Drain wire	0.40mm tinned copper wire
Individual screen	AL/Mylar
Tape	Non-woven
Jacket	TPE Color :Black(Similar to RAL9004) Thickness: approx 0.80mm OD:7.30±0.30mm
Marking	Evolution XPC Heavy Duty Shielded Tactical Gigabit Cat6A 301-195
Reel lengths	500m / drum

Specifications subject to change without notice. Please contact Direct Cable Systems to verify information.

Electrical characteristics at 20°C

Conductor DC resistance	≤93.8ohm/km
Resistance unbalance	≤2%
Capacitance Unbalance (pair to ground)	≤160pF/100m at 1kHz (IEC 60189-1)
Insulation Resistance	≥5000MΩ.Km (IEC 61156-5)
Dielectric strength	DC1KV for 1min(conductor to conductor, conductor to screen)
Transmission performance	FLUKE Permanent link test for 80m(ANSI/TIA-568.2-D-CAT6A)
Operating temp.	-40°C to 80°C
Installation temp.	-20°C to 60°C
Flame resistance	IEC60332-1-2

Frequency MHz	ATT dB Max.	RL dB Min.	NEXT dB Min.	PSNEXT dB Min.	ACR-F dB Min.	PS ACR-F dB Min.
1	1.9	19.1	65.0	62.0	64.2	61.2
4	3.5	21.0	64.1	61.8	52.1	49.1
8	5.0	21.0	59.4	57.0	46.1	43.1
10	5.5	21.0	57.8	55.5	44.2	41.2
16	7.0	20.0	54.6	52.2	40.1	37.1
20	7.8	19.5	53.1	50.7	38.2	35.2
25	8.8	19.0	51.5	49.1	36.2	33.2
31.25	9.8	18.5	50.0	47.5	34.3	31.3
62.5	14.0	16.0	45.1	42.7	28.3	25.3
100	18.0	14.0	41.8	39.3	24.2	21.2
200	26.1	11.0	36.9	34.3	18.2	15.2
250	29.5	10.0	35.3	32.7	16.2	13.2
300	32.7	9.2	34.0	31.4	14.6	11.6
400	38.4	8.0	29.9	27.1	12.1	9.1
500	43.8	8.0	26.7	23.8	10.2	7.2

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