

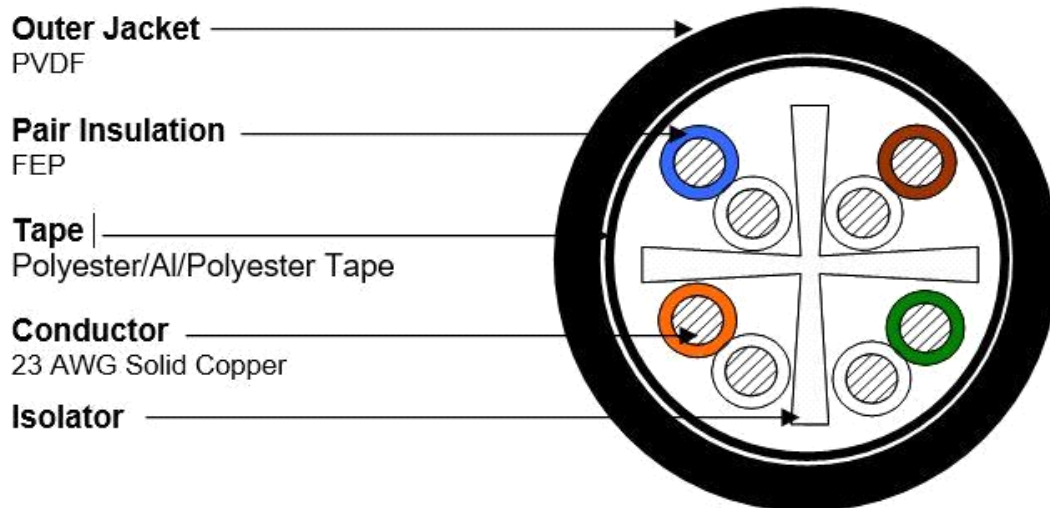


CS34P-IO Indoor/Outdoor Category 6 U/UTP Cable, plenum, outdoor rated, black jacket, 4 pair count, 1000 ft (305 m) length reel

Product Classification

Portfolio	CommScope®
Product Type	Twisted pair cable
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America

Cross Section Drawing



Construction Materials

Jacket Material	PVDF
Conductor Material	Bare copper
Insulation Material	FEP
Separator Material	FEP

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	28.80 lb/kft
Diameter Over Jacket, nominal	6.756 mm 0.266 in
Jacket Thickness	0.457 mm 0.018 in

Electrical Specifications

ANSI/TIA Category	6
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8.00 ohms/100 m
Delay Skew, maximum	45 ns
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	70 %
Operating Frequency, maximum	250 MHz
Transmission Standards	ANSI/TIA-568-C.2
Safety Voltage Rating	300 V
Dielectric Strength, minimum	1500 Vac 2500 Vdc

Environmental Specifications

Environmental Space	Plenum
Smoke Test Method	CMP CMX
Flame Test Method	CMP NEC Article 800 NFPA 262 UL 444 UL 910
Installation Temperature	-25 °C to +75 °C (-13 °F to +167 °F)
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

General Specifications

Cable Type	U/UTP (unshielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	Black
Product Number	CS34P-IO
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Separator Type	Isolator

Mechanical Specifications

Pulling Tension, maximum	11 kg 25 lb
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Electrical Performance

Std Refers to the standard value listed under Transmission Standards in the Electrical Specifications above

IL IL

NEXT Near End Crosstalk (dB/100m)

ACR Attenuation to Crosstalk Ratio (dB/100m)

PSNEXT Power Sum Near End Crosstalk (db/100m)

PSACR Power Sum Attenuation to Crosstalk Ratio (dB/100m)

ACRF Attenuation to Crosstalk Ratio - Far End (dB/100m)

PSACRF Power Sum Attenuation to Crosstalk Ratio – Far End (dB/100m)

RL Return Loss (dB)

Freq. MHz	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL
	Std	Std	Std	Std	Std	Std	Std	Std
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0
4	3.8	65.3	61.5	63.3	59.5	55.8	52.8	23.0
8	5.3	60.8	55.4	58.8	53.4	49.7	46.7	24.5
10	6.0	59.3	53.3	57.3	51.3	47.8	44.8	25.0
16	7.6	56.2	48.7	54.2	46.7	43.7	40.7	25.0
20	8.5	54.8	46.3	52.8	44.3	41.8	38.8	25.0
25	9.5	53.3	43.8	51.3	41.8	39.8	36.8	24.3
31.25	10.7	51.9	41.2	49.9	39.2	37.9	34.9	23.6
62.5	15.4	47.4	32.0	45.4	30.0	31.9	28.9	21.5
100	19.8	44.3	24.5	42.3	22.5	27.8	24.8	20.1
155	25.2	41.4	16.3	39.4	14.3	24.0	21.0	18.8
200	29.0	39.8	10.8	37.8	8.8	21.8	18.8	18.0
250	32.8	38.3	5.5	36.3	3.5	19.8	16.8	17.3