



Construction Details

Conductor : 23AWG (0.576mm) Solid Bare copper wire
 Insu. / Thickness : Foam PE 0.36 mm
 Color Code : Pair 1 = Blue - White/Blue
 Pair 2 = Orange - White/Orange
 Pair 3 = Green - White/Green
 Pair 4 = Brown - White/Brown

Individual Screen
 Screen : Aluminum Mylar Tape 100% wrapping

Overall Shield
 Tinned Copper Wire Braid Shield 40% Coverage

Inner Jacket : Polyethylene (PE)
 Nom. Inner Jacket Thickness : 0.60 mm
 Approx. Dia. of cable : 8.10 ± 0.20 mm
 Color : Black

Outer Jacket : PVC
 Nom. Outer Jacket Thickness : 0.80 mm
 Approx. Dia. of cable : 9.70 ± 0.20 mm
 Color : Black

Listing and Retings
 : Compliance ANSI/TIA-568.2-D CAT.6A

Package : 305m reel in a box

Electrical Characteristics

DC Resistance (max.) 7.32 ohms/100m.
 DC Resistance Unbalance (max.) : 5%
 Characteristic Impedance : 100 ± 15% Ohms
 Delay skew (max.) 45 ns/100m

Freq. (Mhz)	Ins. Loss	PS-		PS-	Return	Propagation delay Max. delay (ns/100 m)
	dB/100m max	NEXT dB(min)	NEXT dB(min)	ACR-F dB(min)	Loss dB(min)	
1	2.1	74.3	72.3	67.8	64.8	20.0
4	3.8	65.3	63.3	55.8	52.8	23.0
8	5.3	60.8	58.8	49.7	46.7	24.5
10	5.9	59.3	57.3	47.8	44.8	25.0
16	7.5	56.2	54.2	43.7	40.7	25.0
20	8.4	54.8	52.8	41.8	38.8	25.0
25	9.4	53.3	51.3	39.8	36.8	24.3
31.25	10.5	51.9	49.9	37.9	34.9	23.6
62.5	15.0	47.4	45.4	31.9	28.9	21.5
100	19.1	44.3	42.3	27.8	24.8	20.1
200	27.6	39.8	37.8	21.8	18.8	18.0
250	31.1	38.3	36.3	19.8	16.8	17.3
300	34.3	37.1	35.1	18.3	15.3	16.8
400	40.1	35.3	33.3	15.8	12.8	15.9
500	45.3	33.8	31.8	13.8	10.8	15.2

Designed by - date	Checked by - date	Approved by - date	Date 26/04/2016	Size A4	Scale -
			Part Name Cat.6A S/FTP Horizontal Cable (Outdoor Double Jacket)	Unit -	
			Part No. 30205-D-BK	Issued 1	
			Ref. No.	Sheet 1 of 1	
			Used On.		