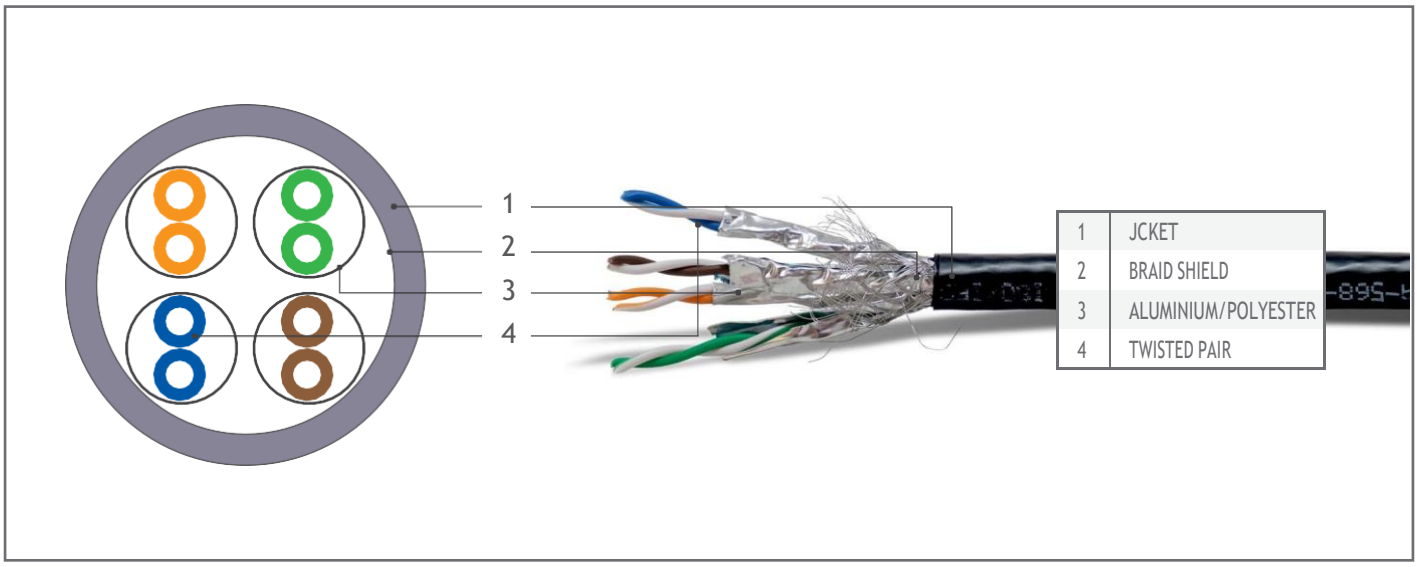
CABLES OUTDOOR UNIF. CAT6

100010196486



DESCRIPTION	
Rated Voltage (V)	N/A
Rated Temperature (°C)	75
Product Standard Certification	N/A
APPLICATION	
Telephone and other communication circuits such as voice, data, and audio for on-premise customer systems.	
10/100/1000Base-T	
155Mbps ATM	
10G	
REFERENCE STANDARD	
TIA/EIA-568-C.2	
FLUKE DTX-1800 PERMANENT LINK TEST	

CONSTRUCTION	
Conductor	Solid Bare Copper
4 Twisted Pair	8C
AWG	23
Construction (±0.02mm)	1/0.57
Insulation	SKIN-FOAM- SKIN
Nom. Thickness (mm)	0.37
Insulation Dia.(±0.05mm)	1.38
Shield	Aluminum/polyester
Overlap	≥25%
Braid Shield 16/6/0.12	Aluminum Magnesium Alloy wire
Coverage	≥40%
Jacket	PE
Nom. Thickness (mm)	0.60
Outer Dia. (±0.30mm)	7.8

CABLES OUTDOOR UNIF. CAT6	
100010196486	SF/UTP PE CAT.6 NEGRO
100010214777	UTP PE CAT.6 NEGRO

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PERFORMANCE						
Electrical Characteristics (20°C)						
Max. Conductor DC Resistance (Ω/km)			93			
Min. Insulation Resistance (ΩM-KM)			100M			
Mutual Capacitance			≤ 5.6nF/100M			
Dielectric Strengt			DC-1KV/1 Min			
Environmental Requirement			RoHS compliant			
F	ATTN	RL	NEXT	ELFEXT	PS NEXT	PS ELFEXT
(MHz)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)
1	1.9	20.0	74.3	67.8	72.3	64.8
4	3.7	23.3	65.3	61.8	63.3	52.8
8	5.3	24.5	60.3	55.7	58.8	46.7
10	5.9	25.0	59.3	53.8	57.3	44.8
16	7.5	25.0	56.3	49.7	54.3	40.7
20	8.4	25.0	54.8	47.8	52.8	38.7
25	9.5	24.3	53.4	45.8	51.4	36.8
31.25	10.6	23.6	51.9	43.9	49.9	34.9
62.5	15.4	21.5	47.4	37.9	45.4	28.8
100	19.8	20.1	44.3	33.8	42.3	24.8
155	25.1	18.8	41.4	27.8	39.4	20.9
200	29.0	18.0	39.8	25.8	37.8	18.7
250	32.8	17.3	38.3	24.3	36.3	16.8

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Cat 6 Perm. Link													
Wire Map	Res	Leng-th	Prop. Delay	Delay Skew	Freq	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1	62.0	64.2	62.0	59.0	61.2
12345678					4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.1	43.1
12345678S					10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
12345678S					16	7	54.6	20.0	47.6	40.1	52.2	45.2	37.1
					20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2
					25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2
					31.25	10	50.0	18.5	40.0	34.3	47.5	37.6	31.3
					62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3
					100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2
					200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2
					250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2