

Description: 16 AWG 2/C STR + 24/2Pr Sol Cat 5e CMP-CL2P-FT6 Siamese
 Specifications: UL Standards 13, & 444; NEC Article 725 & 800

Construction:

	<u>16/2</u>	<u>24/2Pr</u>
Conductor	16 AWG 26/30 BC	24 Sol BC
Insulation	Low smoke PVC	FEP
Insulation Thickness	0.010" nom.	0.009" nom.
Insulation Colors	Blk,Red	Blu, Org (Pairs)
Insulation Diameter	0.078" nom.	0.0375" nom.
Lay Length	3.5" nom.	0.5" nom.
Jacket	PVC	
Jacket Color	White	
Jacket Thickness	0.017" nom.	
Overall Diameter	0.170" x 0.360" nom.	
Legend (Ink Print)	HONEYWELL P/N 5381 3038058 (ETL) 2C16 + 2PR24 CAT 5e CL2P OR CMP ETL VERIFIED CAT 5e C(ETL) FT6 W/O# XXXXXX-XXXXXX XXXXFT RM# A B C D E F 1 2 3 4 5 6 7 8	

Properties

Temperature Rating	-20 to 60 oC
Operating Voltage	300 Volts max.
Flame Rating	UL910 Plenum
	<u>16/2</u>
Capacitance	32 pf/ft nom.
Impedance	50 Ohms nom.
DC Resistance	4.19 Ohms/M' at 20oC

24/2Pr CAT 5e

Attribute	Nominal Value	Maximum Value
dc Resistance	7.6 ohms/100m	9.38 ohms/100m
Resistance Unbalance	1.5%	5%
Capacitance	4.9 nF/100m	5.6 nF/100m
Capacitance Unbalance	50 pF/100m	330 pF/100m
Velocity of Propagation	69%	NA
Propagation Delay	525 ns/100m	570 ns/100m
Delay Skew	15 ns/100m	45 ns/100m

Frequency (MHz)	Max Attenuation (dB/100m)	Min PSNEXT (dB)	Min PSACR (dB/100m)	Impedance (ohms)	Min PSELFEXT (dB)	RL (dB)
0.772	1.8	64	62	NA	63	NA
1	2.0	62	60	100 +/- 15	61	20
4	4.1	53	49	100 +/- 15	49	23
8	5.8	49	43	100 +/- 15	43	25
10	6.5	47	41	100 +/- 15	41	25
16	8.2	44	36	100 +/- 15	37	25
20	9.3	43	34	100 +/- 15	35	25
25	10.4	41	31	100 +/- 15	33	24
31.25	11.7	40	28	100 +/- 15	31	24
62.5	17.0	35	18	100 +/- 15	25	22
100	22.0	32	10	100 +/- 15	21	20
155	28.1	29	1	100 +/- 15	17	19
200	32.4	28	-	100 +/- 15	15	18