

Description: 16 AWG 2/C STR + 24/2Pr Sol Cat 5e CMR-CL2R-FT4 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	Polypropylene	Polypropylene
Insulation Thickness	0.010" nom.	0.009" nom.
Insulation Colors	Blk,Red	Blu, Org (Pairs)
Insulation Diameter	0.078" nom.	0.0385" 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 5281 16/2 + 2PR24 CAT 5e 3038058 (ETL) CMR OR CL2R SUNRES VERIFIED CAT 5e C(ETL) FT4 (RoHS) w/o# XXXXX-XXXX FT	

Properties

Temperature Rating	-20 to 60 oC
Operating Voltage	300 Volts max.
Flame Rating	UL1666 Riser
Capacitance	<u>16/2</u> 20 pf/ft nom.
Impedance	70 Ohms nom.
DC Resistance	4.19 Ohms/M' at 20oC

24/2Pr CAT 5e Data

<i>Attribute</i>	<i>Nominal Value</i>	<i>Maximum Value</i>
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