

Round-Jacketed, Shielded, Discrete Wire Cable

28 AWG Stranded, Twisted Pairs, PVC/PVC

3444C Series



195

- 28 AWG stranded wire provides flexibility
- Twisted pairs reduce crosstalk for balanced drive applications
- Dual shielding, aluminium polyester tape and tinned copper braid provides excellent EMI/ESD protection
- Wires are colour coded for easy identification

Physical

Jacket

Material: Polyvinyl Chloride (PVC)

Color: Cream, Semi Gloss

Marking

Standard:  AWM 2789 60C 30V VW-1 3M MR EU < 50V

Conductors: 28 AWG 7 x 36 [7 x 0.127] Tinned Stranded Copper

Shielding: Aluminium/Polyester Film Foil and 80% coverage
Tinned Copper Braid

Electrical

Voltage Rating:	USA: 30V	EU: <50V
Insulation Resistance:	1 x 10 ¹⁰ Ω/10 ft. [3m]	
	Unbalanced	Balanced
Characteristic Impedance:	50 Ω	70 Ω
Capacitance:	111.5 pF/ft (34 pF/m)	78.7 pF/ft (24 pF/m)
Inductance:	.26 μH/ft (0.08 μH/m)	.39 μH/ft (0.12 μH/m)
Propagation Delay:	5.51 ns/ft (1.68 ns/m)	5.51 ns/ft (1.68 ns/m)

Note: Unbalanced is measured between conductors within a pair with one conductor connected to the shield.
Balanced is measured between conductors within a pair with the shield floating.

Environmental

Temperature Rating: 60°C

Flammability Rating: VW-1

UL File No.: E42769, Style No: 2789

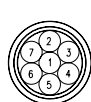
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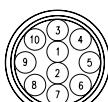
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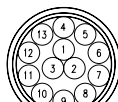
3444C Series



3444C-14



3444C-20



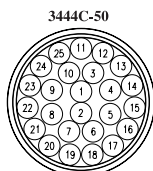
3444C-26



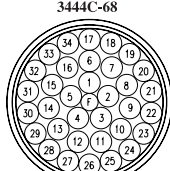
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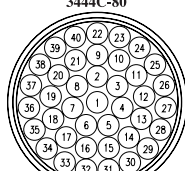
3444C-40



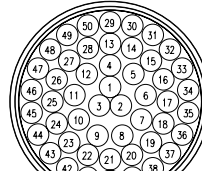
3444C-50



3444C-68

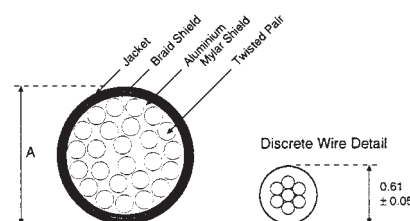


3444C-80



3444C-100

Number of Conductors	3M Part Number	Dimension 'A' ±0.25 (±.010) mm ins
14 (7 Pair)	3444C-14	5.60 (.220)
20 (10 Pair)	3444C-20	6.10 (.240)
26 (13 Pair)	3444C-26	6.60 (.260)
36 (18 Pair)	3444C-36	7.37 (.290)
40 (20 Pair)	3444C-40	7.75 (.305)
50 (25 Pair)	3444C-50	8.13 (.320)
68 (34 Pair)	3444C-68	8.76 (.345)
80 (40 Pair)	3444C-80	9.40 (.370)
100 (50 Pair)	3444C-100	10.03 (.395)



PAIR IDENTIFICATION									
PAIR	1st Conductor		2nd Conductor		PAIR	1st Conductor		2nd Conductor	
	BASE	BAND	BASE	BAND		BASE	BAND	BASE	BAND
1	Blue	White	White	Blue	24	Brown	Violet	Violet	Brown
2	Orange	White	White	Orange	25	Grey	Violet	Violet	Grey
3	Green	White	White	Green	26	White	Black	Black	White
4	Brown	White	White	Brown	27	Red	Black	Black	Red
5	Grey	White	White	Grey	28	Red	White	White	Red
6	Blue	Red	Red	Blue	29	Orange	Green	Green	Orange
7	Orange	Red	Red	Orange	30	Black	Yellow	Yellow	Black
8	Green	Red	Red	Green	31	Red	Yellow	Yellow	Red
9	Brown	Red	Red	Brown	32	Green	Blue	Blue	Green
10	Grey	Red	Red	Grey	33	Green	Brown	Brown	Green
11	Blue	Black	Black	Blue	34	White	Yellow	Yellow	White
12	Orange	Black	Black	Orange	35	Blue	Brown	Brown	Blue
13	Green	Black	Black	Green	36	Blue	Orange	Orange	Blue
14	Brown	Black	Black	Brown	37	Brown	Orange	Orange	Brown
15	Grey	Black	Black	Grey	38	Violet	Red	Red	Violet
16	Blue	Yellow	Yellow	Blue	39	Violet	Yellow	Yellow	Violet
17	Orange	Yellow	Yellow	Orange	40	Violet	Black	Black	Violet
18	Green	Yellow	Yellow	Green	41	Violet	White	White	Violet
19	Brown	Yellow	Yellow	Brown	42	Blue	Grey	Grey	Blue
20	Grey	Yellow	Yellow	Grey	43	Orange	Grey	Grey	Orange
21	Blue	Violet	Violet	Blue	44	Green	Grey	Grey	Green
22	Orange	Violet	Violet	Orange	45	Brown	Grey	Grey	Brown
23	Green	Violet	Violet	Green					

PAIR IDENTIFICATION CONT.						
PAIR	1st Conductor			2nd Conductor		
	BASE	1 BAND	2 BAND	BASE	1 BAND	2 BAND
46	Blue	Orange	White	White	Orange	Blue
47	Orange	Green	White	White	Green	Orange
48	Green	Brown	White	White	Brown	Green
49	Blue	Grey	White	White	Grey	Blue
50	Grey	Blue	White	White	Blue	Grey

Ordering Information

3444C - XXC

Number of Conductors
(See Table)

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