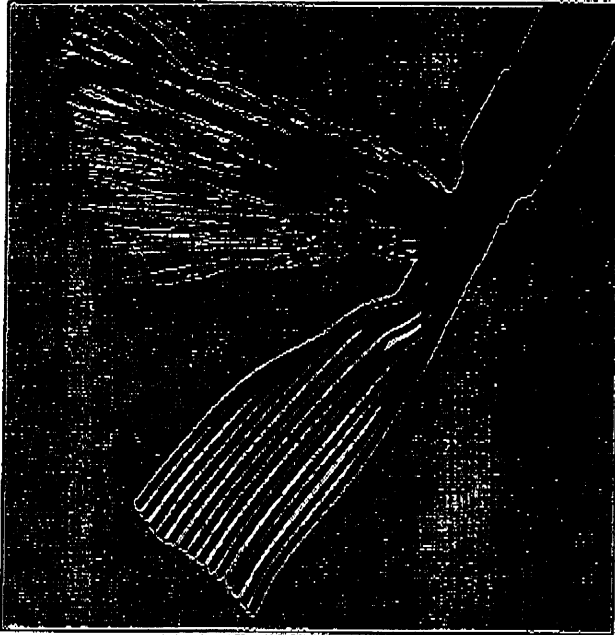


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# .050"/1.27mm Round-Jacketed, Shielded, Twisted Pair Flat Cable

28 AWG Stranded, Mass Terminatable, PVC/PVC

3784 Series



- 28 AWG stranded wire to provide flexibility
- Twisted pairs reduce crosstalk for balanced drive applications
- Wire are colour coded for easy identification
- Jacket is round for better flexibility
- Flat section parts for mass termination
- Shielding provides excellent EMI/ESD protection

## Physical

<b>Insulation</b>	
Material:	Polyvinyl Chloride (PVC)
Color:	Grey
<b>Primary Material</b> PVC	
<b>Marking</b>	
Standard:	UL AWM 2935 VW-1 300V 80C E65859 3M EU <50V
<b>Conductors</b>	28 AWG 7 x 36 (7 x 0.127) Tinned Stranded Copper
<b>Shielding</b>	Tinned Copper Braid Shield, 80% min. coverage

## Electrical

<b>Voltage Rating:</b>	USA: 300V	EU: <50V
<b>Insulation Resistance:</b>	>1 x 10 <sup>10</sup> Ω /10ft [3m]	
	<b>Unbalanced</b>	<b>Balanced</b>
<b>Characteristic Impedance:</b>	71 Ω	123 Ω
<b>Capacitance:</b>	24.1 pF/ft (79.1 pF/m)	13.9 pF/ft (45.6 pF/m)
<b>Inductance:</b>	12 μH/ft (0.39 μH/m)	21 μH/ft (0.69 μH/m)
<b>Propagation Delay:</b>	1.72 ns/ft (5.64 ns/m)	1.71 ns/ft (5.61 ns/m)
<b>Velocity of Propagation:</b>	59%	59%

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

<b>Temperature Rating:</b>	-20° C to +80° C
<b>Flammability Rating:</b>	UL: VW-1

UL File No.: E65859, Style No.: 2935

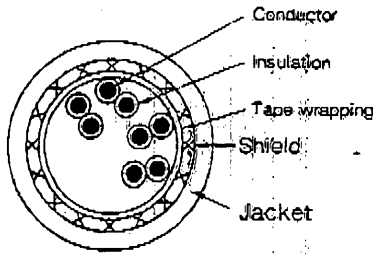
3M Electronic Products Division

<http://www.3M.com/info/connects/>

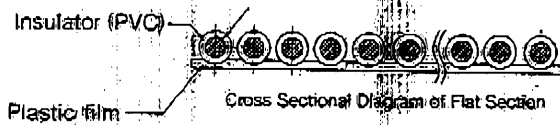
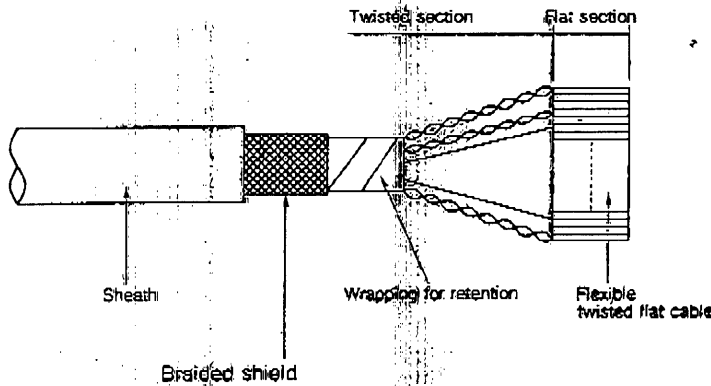
# .050"/1.27mm Round-Jacketed, Shielded, Twisted Pair Flat Cable

## 28 AWG Stranded, Mass Terminatable, PVC/PVC

3784 Series



Pairs	Approx. outside diameter finish (mm)	Approx weight (g/m)
5	8.0	60
7	8.3	65
8	9.2	70
10	9.9	80
12	10.0	90
15	10.1	95
17	10.2	105
20	10.4	115
25	12.0	135
30	12.4	160
35	13.5	180
42	14.5	230



### 10 Colour Repeat

brown/white	red/white	orange/white	yellow/white	green/white	blue/white	purple/white	grey/white	pink/white	black/white
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\*Colour identification consists of 10 two-colour pairs made by combinations of white with one each of 10 colours - namely brown, red, orange, yellow, green, blue, purple, grey, pink or black. From the 11th pair on, the same colour combinations are repeated.

### Ordering Information

**3784/XXP-540**

Number of Pairs  
(See Table)