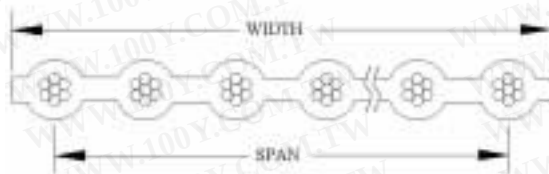


INSULATION DISPLACEMENT CABLE

.050" PITCH, 28 AWG, STRANDED

EXTRUDED FEP

MECHANICAL CHARACTERISTICS



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Number of Conductors	Span	Width
10	0.450 ± .007	0.500 ± .007
14	0.650 ± .007	0.700 ± .007
15	0.700 ± .007	0.750 ± .007
16	0.750 ± .007	0.800 ± .007
20	0.950 ± .010	1.000 ± .010
24	1.150 ± .010	1.200 ± .010
25	1.200 ± .010	1.250 ± .010
26	1.250 ± .010	1.300 ± .010
30	1.450 ± .010	1.500 ± .010
34	1.650 ± .010	1.700 ± .010
37	1.800 ± .010	1.850 ± .010
40	1.950 ± .010	2.000 ± .010
50	2.450 ± .010	2.500 ± .010
60	2.950 ± .015	3.000 ± .015
64	3.150 ± .015	3.200 ± .015

PHYSICAL CHARACTERISTICS

Conductor Type	28 AWG, 7/36 Stranded, Silver Plated Copper Optional: Solid Conductor Bare Copper
Insulation	FEP Extruded (-55° C to 200° C)
Number of Conductors	2 to 64
Color	Solid red or blue with blue polarity stripe (standard) Optional: Rainbow

PACKAGING

100 ft./Reel, 50 Ft. minimum average length, 10 Ft. minimum length
UL STYLE 20424

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Insulation Displacement Cables

Electrical Performance

[illegible]

Properties of Extruded Insulation Materials

PROPERTY	FEP	PFA	ETFE
• Physical Properties			
Specific Gravity	2.15	2.15	1.70
Water Absorption (%)	.01	.03	.02
• Thermal Properties			
Temperature Rating (°C) (Continuous Use)	200	260	150
Melting Point (°C)	271	310	271
• Mechanical Properties			
Tensile Strength 73° F (PSI)	3,000	4,000	7,000
Ultimate Elongation (%)	300	300	400
Compression Strength (kgf/cm ²)	60	60	109
Stiffness 73° F (PSI)	95,000	95,000	200,000
Hardness Durometer	D55	D60	D70
Abrasion Resistance (Instron, 0.005 Radius Blade, 0.2 in./min.)	4.5 kg.	4.5 kg.	16 kg.
Coefficient of Friction	.27	.25	.23
• Electrical Properties			
Dielectric Constant	2.1	2.1	2.5
Dissipation Factor	.0003 - .0007	.0001 - .0003	.0017 - .0070
Dielectric Strength (v/mil - 1 mil thick)	5,000	5,000	3,000
Volume Resistivity (ohms/sq)	>10 ¹⁷	>10 ¹⁶	>10 ¹⁷
• Additional Properties			
Flame Rating (UL)	94 V - 0	94 V - 0	94 V - 0

Weather Resistance	Excellent	Excellent	Excellent
Chemical Resistance	Excellent	Excellent	Excellent
Radiation Resistance (Threshold in Rads)	5 x 10 ⁵	5 x 10 ⁵	5 x 10 ⁵

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