

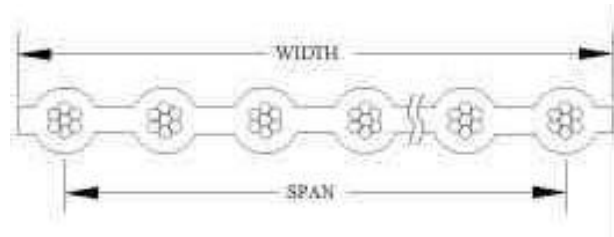
# Daburn #2489 FEP Flat Ribbon Cable, 1mm Pitch, 28 AWG

UL Listing: 20424  
 UL Voltage Rating: 300 Volts  
 UL Temperature: 200°C, VW-1



## Features

- Insulation Displacement Connector (IDC) Compatible
- Smaller 1mm (0.0394”) pitch allows for a greater conductor density
- Greater Chemical & Abrasion Resistance than PVC or TPE
- No outgassing under vacuum at max. temperature
- Choose from a wide selection of conductor counts
- Broad Temperature Range (-65° C to 200° C)
- High Performance Dielectric Insulation
- Extruded – Will Not Delaminate
- Environmentally Stable
- Non-combustible
- RoHS Compliant



## Physical Description

Conductors are 28 AWG silver plated copper. Conductor stranding is 7/36 and pitch is 1mm (0.0394 inches). Insulation is FEP extruded so that there are no de-lamination issues. Color is solid blue or blue with a blue polarity stripe. Packaging is 100 feet per reel, 50 feet minimum average length, 10 feet minimum length.

<b>AWG</b>	28 (7/36) Silver Plated Copper	<b>Temperature Rating</b>	-65°C to 200°C
<b>Nom. Wall</b>	.007”	<b>Voltage Rating</b>	300V RMS
<b>Thickness</b>	.029” +/- .003”	<b>Dielectric Constant</b>	2.1
<b>UL Style</b>	20424	<b>Conductor Resistance</b>	63 OHMS/MFT
<b>Flammability Rating</b>	UL VW-1	<b>Nom. Capacitance</b>	11.5 PF/FT (G.S.G.)
<b>Impedance</b>	105 OHMS Nom. (G.S.G.)		

## Applications

- Internal wiring of electronic and business equipment
- Mass Termination with IDC Connectors
- High Temperature environments not suited for PVC or TPE ribbon cable
- Applications requiring greater chemical & abrasion resistance than PVC or TPE ribbon cable can tolerate

## Specification

Daburn Part #	No. of Conductors	Span (inches)	Width (inches)	Standard Put-ups	Minimum Purchase
2489/10	10	0.355 +/- .006	0.394 +/- .007	100'	100'
2489/16	16	0.591 +/- .006	0.630 +/- .007	100'	100'
2489/20	20	0.749 +/- .006	0.788 +/- .007	100'	100'
2489/26	26	0.985 +/- .006	1.024 +/- .010	100'	100'
2489/34	34	1.300 +/- .008	1.340 +/- .010	100'	100'
2489/40	40	1.537 +/- .008	1.576 +/- .010	100'	100'
2489/50	50	1.931 +/- .008	1.970 +/- .010	100'	100'
2489/60	60	2.325 +/- .010	2.364 +/- .010	100'	100'
2489/64	64	2.482 +/- .010	2.522 +/- .010	100'	100'
2489/80	80	3.113 +/- .012	3.152 +/- .012	100'	100'

**Note:** Other conductor counts available upon request. Standard jacket color is blue or blue with a blue polarity stripe. Other colors are available by special request. Packaging is 100 feet per reel, 50 feet minimum average length, 10 feet minimum length.

**Additional Constructions Available:** Shielded; .100" & .025" center spacing; 19 strand (for high flexing - above 50,000,000 flexures). Also available: MIL-DLT-49055.