

CONDUCTOR TO CONDUCTOR SPACING:
0.0394"±0.005" UNLESS SPECIFIED
INSULATION: 0.002" THICK POLYESTER
CONDUCTORS: 0.003" X 0.026" FLAT TINNED COPPER
STRAIN RELIEF: 0.003" THICK POLYESTER
RATING: AWG STYLE 20566, 105°C, VW-1

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Figure 1 is a cross-sectional view of a cable assembly. The central component is a cable with a braid, labeled "SPAN = (NUMBER OF CONDUCTORS) * PITCH". The cable is surrounded by a layer of insulation, labeled "SPAN = 4.000MM ± 0.127MM". The insulation is further protected by a layer of microplastic nylon pushpin, labeled "MICROPLASTIC NYLON PUSHPIN PN 219F00035 OF PN 275R002125". The assembly is mounted on a base, labeled "CABLE WIDTH = (NUMBER OF CONDUCTORS + 3) * PITCH". The diagram includes several dimension lines and values:

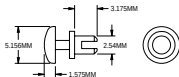
- 2.000MM ± 0.127MM (Insulation layer thickness)
- 2.54MM ± 0.127MM (Insulation layer thickness)
- 3.810MM ± 0.127MM (Insulation layer thickness)
- 3.663MM ± 0.127MM (Insulation layer thickness)
- 7.368MM ± 0.300MM (Total assembly thickness)
- MAXIMUM MISMATCH ± 0.250° BETWEEN TOP AND BOTTOM INSULATION AT BUSBAR (Note: This text is present in the original image but is not clearly legible in the provided image)

Technical drawing of a cable assembly cross-section. The drawing shows a central cable with a width labeled "CABLE WIDTH". Above the cable is a "SPAN" of $\pm 4.000\text{MM}$ ($\pm 0.127\text{MM}$). The cable is supported by two circular components labeled "MICROPLASTICS NYLON PUSHPIN PIN 27PFD0038 or PIN 27SP100225". The cable is surrounded by "INSULATION AT BUSSBAR". The drawing includes several vertical dimensions: 2.000MM ($\pm 0.127\text{MM}$), 2.540MM ($\pm 0.127\text{MM}$), 3.810MM ($\pm 0.127\text{MM}$), 3.810MM ($\pm 0.127\text{MM}$), and 7.365MM ($\pm 0.127\text{MM}$). A note indicates "MAXIMUM MISMATCH= 0.050" BETWEEN TOP AND BOTTOM INSULATION AT BUSSBAR".

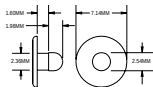
SIZE B	PSCM 18377	PS-592	Rev F
SCALE 4:1	SHEET 1 OF 2		

RECOMMENDED PUSHPINS

NYLON PUSHPIN DETAILS MICROPLASTICS P/N 27SR102125



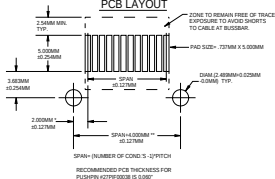
NYLON PUSHPIN DETAILS MICROPLASTICS P/N 27PIF00038



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RECOMMENDED PCB LAYOUT



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LAMINATED CABLE DIVISION

DESCRIPTION OF TERMINATION OF STANDARD
ALS CABLE ON 1.00MM PITCH

SIZE	PSCM	
B	18377	PS-592
SCALE	4:1	SHEET 2 OF 2