



## S/FT External Grade Cat 7

<b>BATT Part No:</b>	77100
<b>Conductor:</b>	AWG
<b>Insulation:</b>	FMPE (twisted 2C)
<b>Aluminium Foil:</b>	Assembly: 4P
<b>Braid:</b>	TC
<b>Jacket:</b>	LLDPE
<b>Conductor diameter:</b>	1/0.56mm (±0.01mm)
<b>Insulation diameter:</b>	1.35mm (±0.05mm)
<b>Braid structure:</b>	8/7/01 coverage >30%
<b>Jacket thickness:</b>	Average Thickness 0.39mm (±0.05mm), minimum point thickness 0.4mm
<b>Outer diameter:</b>	7.2 (±0.3mm)
<b>Insulation colours:</b>	White/blue, white/orange, white/green, white/brown.
<b>Impedance:</b>	100MHZ 100 +/-5
<b>VOP:</b>	72%

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	Return loss (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	2.0	80.0	77.0	23	80.0	77.0
4	3.7	80.0	77.0	23	68.0	65.0
10	5.9	80.0	77.0	23	60.0	57.0
16	7.5	80.0	77.0	23	55.9	52.9
20	8.4	80.0	77.0	23	54.0	51.0
31.25	10.6	80.0	77.0	23	50.1	47.1
62.5	15.4	75.5	72.5	23	44.1	41.1
100	19.8	72.4	69.4	23	40.0	37.0
200	29.0	67.9	64.9	23	34.0	31.0
250	32.8	66.5	63.5	23	32.0	29.0
300	36.4	65.3	62.3	23	30.5	27.5
400	40.0	63.4	60.4	21.8	28.0	25.0
500	48.9	61.9	58.9	20.8	26.0	23.0
600	50.1	60.8	57.8	20.0	24.4	21.4
650	52.4	60.2	57.2	19.6	23.7	20.7
1000	66.9	57.4	54.4	17.3	35.3	32.3
1300	72.1	56.3	53.3	17.3	33.5	30.5

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