

| REVISION |     |                    |            |            |          |
|----------|-----|--------------------|------------|------------|----------|
| ZONE     | REV | DESCRIPTION        | DATE       | CHANGED BY | APPROVED |
|          | A2  | UPDATE TEMPERATURE | 09/13/2024 | SLI        | SXU      |

| CONSTRUCTION  |          |                               | ELECTRICAL & MECHANICAL      |       |               |      |      |   |      |      |      |      |
|---|----------|-------------------------------|------------------------------|-------|---------------|------|------|---|------|------|------|------|
| CENTER CONDUCTOR  | MATERIAL | STRANDED SILVER PLATED COPPER | OPERATION FREQ.              |       | 3 GHz         |      |      |   |      |      |      |      |
|   | SIZE(mm) | 2.39±0.03                     | IMPEDANCE                    |       | 50 OHM        |      |      |   |      |      |      |      |
| DIELECTRIC  | MATERIAL | PTFE TAPE                     | VELOCITY OF PROPAGATION      |       | 71%           |      |      |   |      |      |      |      |
|   | SIZE(mm) | 7.10±0.10                     | SHIELDING EFFECTIVENESS      |       | 70 dB         |      |      |   |      |      |      |      |
| OUTER CONDUCTOR 1   | MATERIAL | SILVER PLATED COPPER          | VOLTAGE WITHSTAND            |       | 5000 VDC      |      |      |   |      |      |      |      |
|   | SIZE(mm) | 7.79±0.15                     | BEND RADIUS(INSTALLATION)    |       | 50 mm         |      |      |   |      |      |      |      |
| OUTER CONDUCTOR 2   | MATERIAL | SILVER PLATED COPPER          | BEND RADIUS(REPEATED)        |       | 100 mm        |      |      |   |      |      |      |      |
|   | SIZE(mm) | 8.48±0.15                     | WEIGHT                       |       | 260 g/m       |      |      |   |      |      |      |      |
| JACKET  | MATERIAL | LIGHT BROWN FEP               | OPERATION&INSTALLATION TEMP. |       | -55 ~ +200 °C |      |      |   |      |      |      |      |
|   | SIZE(mm) | 9.90±0.20                     | STORAGE TEMP.                |       | -65 ~ +200 °C |      |      |   |      |      |      |      |
| ATTENUATION (Typical@25 °C&VSWR=1.0) &POWER(VSWR=1.0;25 °C;Sea Level) |          |                               |                              |       |               |      |      |   |      |      |      |      |
| Frequency MHZ   | 0.4      | 2                             | 13.56                        | 27.12 | 40.68         | 60   | 100  | 1000                                    | 1500 | 2000 | 2400 | 3000 |
| dB/100 m  | 0.4      | 0.9                           | 2.4                          | 3.4   | 4.2           | 5.1  | 6.7  | 23.6                                    | 30.0 | 35.6 | 39.8 | 45.7 |
| Max. Power kW   | 74.70    | 33.25                         | 12.60                        | 8.83  | 7.16          | 5.85 | 4.47 | 1.26                                    | 0.99 | 0.84 | 0.75 | 0.65 |
| K1=0.6276120 K2=0.0037760   |          |                               |                              |       |               |      |      | CALCULATE ATTENUATION=K1* √FMHZ+K2*FMHZ |      |      |      |      |

Avg. Power

Power kW

Frequency (GHz)

Attenuation

dB/100M

Frequency (GHz)

— Typical — Mac

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

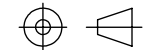
TOLERANCES:  
.X = ±.2 [ .5 ] FRACTIONS  
.XX = ±.02 [ .5 ] ± 1/32  
.XXX = ±.005 [ .13 ] ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
≤12 [305] = +1 [25] / -0  
>12 [305] ≤ 60 [1524] = +2 [51] / -0  
>60 [1524] ≤ 120 [3048] = +4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +6 [152] / -0  
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE.



Website: [www.Pasternack.com](http://www.Pasternack.com)  
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INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION  
Flexible RG393 Coax Cable Double Shielded Cable

|        |                 |              |                       |        |
|--------|-----------------|--------------|-----------------------|--------|
| SIZE A | CAGE CODE 53919 | DRAWN BY SLI | ITEM NO. RG393-C-BULK | REV A2 |
|--------|-----------------|--------------|-----------------------|--------|

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