

SMARTSKY FLAGSHIP AIR-TO-GROUND SYSTEM DRAWING PLAN

Cable Assembly Part Numbers 11012-4890-ABCDDDD
(See Tables 1 thru 4 below)

Table 1

| "A" Value - Assembly Application/Cable Labeling/Color Coding Information | | | |
|--|--------------------|------------------|------------|
| "A" Value | End A (From) Label | End B (To) Label | Color Band |
| 1 | ABR P9 | FDQ P2-BLUE | Blue |
| 2 | ABR P4 | FDQ P3-YELLOW | Yellow |
| 3 | ABR P5 | HPB-BLU | Blue |
| 4 | ABR P3 | HPB-RED | Red |
| 5 | ABR P7 | HPB-YEL | Yellow |
| 6 | ABR P6 | AGA | |

Table 4

| "DDDD" Value - Assembly Length | |
|--------------------------------|-------------|
| "DDDD" Value | Length (in) |
| 0001 | 1" |
| ... | ... |
| 1311 | 1311" |

Table 2

| "B" Value - Coaxial Cable P/N | | | Max Cable Length Per Application (Length in inches) | | | | Connector Part Numbers (For Reference) | | Cable Loss, dB/ft (For Reference) | |
|-------------------------------|-------------------|---------------------------------------|---|---------------------------|---------------------------|----------------------|--|-------------|-----------------------------------|-----------|
| | | | ABR to FDQ Tx (2.483 GHz) | ABR to FDQ Rx (2.483 GHz) | ABR to HPB Rx (2.483 GHz) | ABR to AGA (1.6 GHz) | TNC Straight Plug | TNC 90 Plug | 1.6 GHz | 2.483 GHz |
| "B" Value | Cable Part Number | TTMS and Color Band | Loss (3.0 dB MAX) | Loss (4.0 dB MAX) | Loss (6.0 dB MAX) | Loss (4.0 dB MAX) | | | | |
| 1 | UH25107 | 12.7 Label - 3/4" Clear - 3/4" Color | 609 | 843 | 1311 | 1096 | 190408 | 190409 | 0.040 | 0.051 |
| 2 | UH22089 | 12.7 Label - 1/2" Clear - 1/2" Color | 506 | 700 | 1089 | 893 | 150408 | 150409 | 0.049 | 0.062 |
| 3 | UH67163 | 9.5 Label - 3/8" Clear - 3/8" Color | 285 | 395 | 614 | 503 | 150508 | 150509 | 0.087 | 0.109 |
| 4 | UH44193 | 4.8 Label - 1/4" Clear - 1/4" Color | 168 | 232 | 361 | 296 | 150108 | 150109 | 0.148 | 0.186 |
| 5 | S22089 | 12.7 Label - 3/4" Clear - 3/4" Color | 502 | 695 | 1082 | 890 | 190408 | 190409 | 0.049 | 0.062 |
| 6 | S55122 | 9.5 Label - 1/2" Clear - 1/2" Color | 345 | 478 | 743 | 610 | 190608 | 190609 | 0.072 | 0.090 |
| 7 | S33141 | 9.5 Label - 3/8" Clear - 3/8" Color | 263 | 365 | 568 | 464 | 190308 | 190309 | 0.094 | 0.118 |
| 8 | S44191 | 9.5 Label - 3/8" Clear - 3/8" Color | 147 | 203 | 316 | 261 | 190108 | 190109 | 0.167 | 0.212 |
| 9 | S86208 | 4.8 Label - 3/16" Clear - 3/16" Color | 126 | 175 | 273 | 222 | 190808 | 190809 | 0.197 | 0.246 |

Table 3

| "C" Value - Connector Configurations | | | Connector Loss per Pair (For Reference) | |
|--------------------------------------|--------------|--------------------------|---|-----------|
| "C" Value | End A (ABR) | End B (FDQ, HPB, or AGA) | 1.6 GHz | 2.483 GHz |
| 1 | TNC Straight | TNC 90 | 0.164 dB | 0.205 dB |
| 2 | TNC 90 | TNC Straight | 0.164 dB | 0.205 dB |
| 3 | TNC 90 | TNC 90 | 0.177 dB | 0.221 dB |
| 4 | TNC Straight | TNC Straight | 0.152 dB | 0.189 dB |