SHIKOKU CABLE

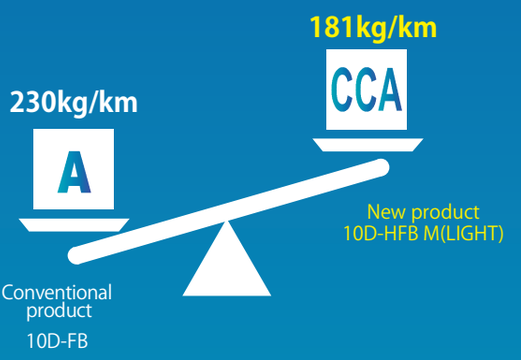
# Low loss high frequency coaxial cable

LINEUP

# 5D-HFB M(LIGHT)
# 8D-HFB M(LIGHT)
# 10D-HFB M(LIGHT)

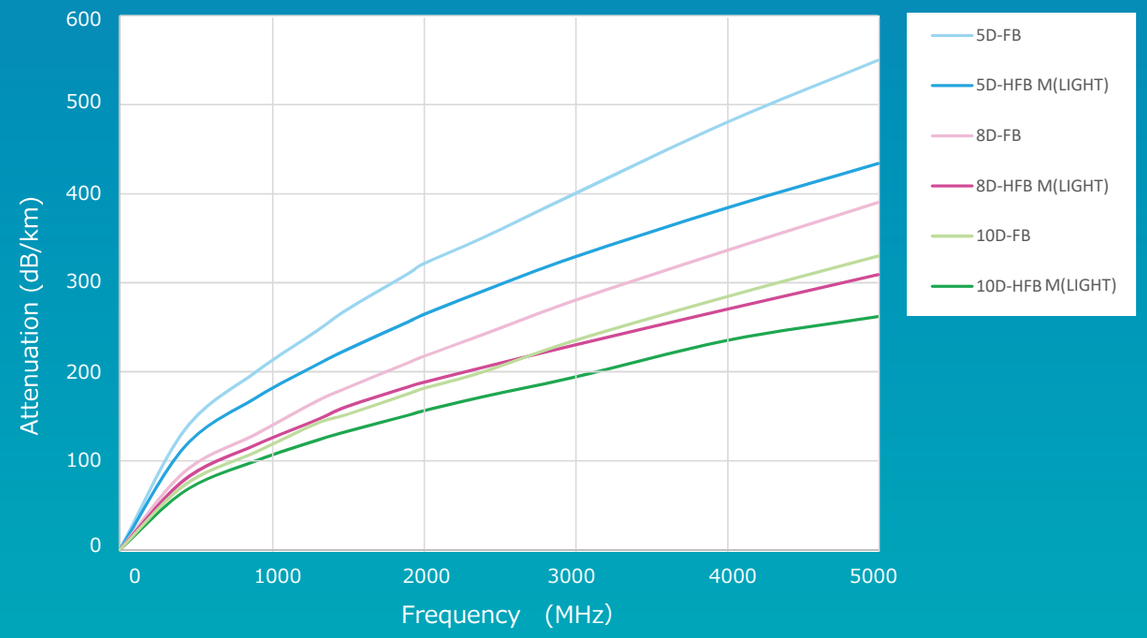
## Point 1 Light Weight

Feather weight, Easy Workability!
Up to 21% lighter !




## Point 2 Low Loss

Low loss of high frequency characteristics vs. conventional FB series.




## Features

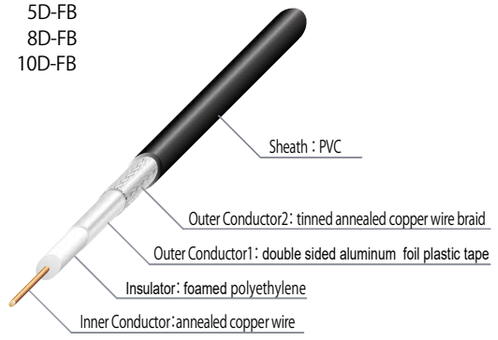
- By adapting Copper clad aluminum wire (CCA) for inner conductor, we could achieve significant weight reduction.
- By adapting Highly expanded polyethylene for the insulator and Double-sided copper foil plastic tape for the outer conductor, we could achieve significant improvement on the high frequency characteristics from conventional FB series cables.
- Can be used commonly used connector available in the market.
- Compliant with RoHS2.

## Applications

For wireless antennas such as wiring between devices.
— Example —
Wireless LAN, RFID communication, professional wireless, amateur wireless, etc.

## Construction

Conventional product
5D-FB
8D-FB
10D-FB




New product
5D-HFB M (LIGHT)
8D-HFB M (LIGHT)
10D-HFB M (LIGHT)


## Construction and Electrical Characteristics

| Model | | 5D-FB | 5D-HFB M (LIGHT) | 8D-FB | 8D-HFB M (LIGHT) | 10D-FB | 10D-HFB M (LIGHT) |
|---|---|---|---|---|---|---|---|
| Inner Conductor | Material | A | CCA | A | CCA | A | CCA |
| | Diameter(mm) | 1.8 | 2.0 | 2.8 | 3.0 | 3.5 | 3.8 |
| Insulator | Material | foamed polyethylene | highly foamed polyethylene | foamed polyethylene | highly foamed polyethylene | foamed polyethylene | highly foamed polyethylene |
| | Diameter(mm) | 5.0 | 5.3 | 7.8 | 7.8 | 10.0 | 10.0 |
| Outer Conductor 1 | Material | double sided aluminum foil plastic tape | doble side copper foil plastic tape | double sided aluminum foil plastic tape | doble side copper foil plastic tape | double sided aluminum foil plastic tape | doble side copper foil plastic tape |
| Outer Conductor2 | Material | tinned annealed copper wire braid | annealed copper wire braid | tinned annealed copper wire braid | annealed copper wire braid | tinned annealed copper wire braid | annealed copper wire braid |
| Jacket | Material | PVC | PVC | PVC | PVC | PVC | PVC |
| | Diameter(mm) | 7.7 | 7.7 | 11.0 | 11.0 | 13.1 | 13.1 |
| Approx.Weight(kg/km) | | 80 | 67 | 160 | 138 | 230 | 181 |
| Std.Attenuation (dB/km) | 900MHz | 200 | 171 | 130 | 118 | 110 | 100 |
| | 1900MHz | 310 | 256 | 210 | 183 | 175 | 151 |
| | 2400MHz | 351 | 291 | 242 | 205 | 200 | 172 |
| | 3000MHz | 400 | 329 | 280 | 230 | 235 | 194 |
| | 4000MHz | 480 | 384 | 336 | 270 | 284 | 235 |
| | 5000MHz | 550 | 434 | 390 | 309 | 330 | 262 |