QY460

High Weatherability, Low Loss

Features:
* Low Insertion Loss
* High Weatherability
* UV Resistant

Applications:
* Wireless Base Station
* Satellite Communication
* Maritime Communication
* Outdoor Interconnection

Electrical

Frequency:	DC~18GHz
Cut-off Frequency:	35GHz
Impedance:	50Ω
Velocity of Propagation:	76%
Shielding Effectiveness:	70dB min.
Voltage Withstand:	1000V DC

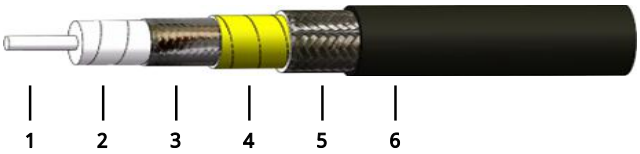
Mechanical

Bend Radius (installation):	25.0mm
Bend Radius (repeated):	50.0mm
Weight:	56g/m

Environmental

Temperature:	-55~+85℃
Outdoor Life:	20 years

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	1.02	Silver-plated copper
2	Dielectric	3.07	Low density PTFE
3	Inner Shield	3.27	Silver-plated copper tape
4	Interlayer	3.43	Aluminum tape
5	Outer Shield	3.94	Silver-plated copper braid
6	Jacket	5.00	PUR

Attenuation & Power Handling

Frequency (GHz)	0.1	0.3	0.5	1	3	6	10	12.4	18
Attenuation*1 (dB/100m)	11.1	19.2	24.9	35.4	62.0	88.8	116.0	129.9	158.3
Average Power*2 (W)	636	366	283	199	113	79	61	54	44

[1] VSWR:1.0; Ambient: +25℃ (77℉)
[2] VSWR:1.0; Ambient: +40℃ (104℉); Sea level

How To Order

QY460-X-Y-Z

X: Frequency in GHz
Y: Connector type
Z: Length in meters

Examples:
To order a QY460 cable assembly, DC-18GHz, N male to SMA female, 1.5 meter, specify QY460-18-SFN-1.5.

Connector naming rules:
3 - 3.5mm (33GHz, VSWR 1.35)
S - SMA (26.5GHz, VSWR 1.3)
N - N (18GHz, VSWR 1.25)
T - TNC (18GHz, VSWR 1.2)
M - MCX (6GHz, VSWR 1.2)
B - BNC (4GHz, VSWR 1.25)
X - MMCX (40GHz, VSWR 1.35)

Female Connector - Add 'F' after connector name
Right Angle - Add 'R' after connector name (VSWR increase 0.1)