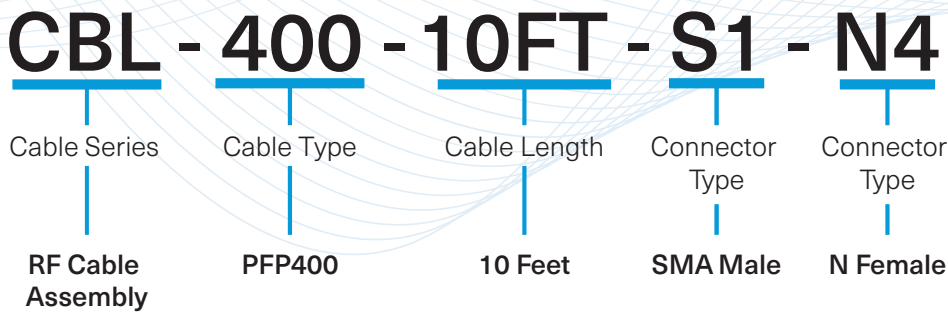# Cable Assembly Parts Number Guide

PCTEL's Cable Assemblies use the following model to generate configured product codes. This structure outlines the electrical and mechanical specifications for each configured assembly.

Nomenclature

CBL - 400 - 10FT - S1 - N4

Cable Series	Cable Type	Cable Length	Connector Type	Connector Type
RF Cable Assembly	PFP400	10 Feet	SMA Male	N Female

Series
CBL = RF Cable Assembly

Cable Type
100 = *PFP100
195 = *PFP195
240 = *PFP240
241 = *PFP240 Ultra Flexible
400 = *PFP400
401 = *PFP400 Ultra Flexible
600 = *PFP600
01 = LMR 100
02 = LMR 195
11 = Pro-Flex Plus 100
12 = Pro-Flex Plus 195
13 = Pro-Flex Plus 195A/U
20 = LMR240
30 = LMR400
52 = RG-58A/U
54 = RG-174/U
55 = RG-213/U
60 = RG-58/U

Cable Length**
Cable is available in length by foot or meter. If desired length is not in foot or meter increments, please designate lenth by appropriate unit of measure. (Longer cable will lead to higher potential loss.)
ex. 12 inches = 1FT
ex. 18 inches = 18IN
ex. 800 centimeters = 8M
ex. 150 centimeters = 150CM

Connector Type
PCTEL carries a wide array of RF connector options. If your requirment is not below, contact PCTEL customer service
B = BNC
N = N
F = FME
S = SMA
P = PL259
M = Mini-UHF
T = TNC
U = SMB
X = MCX
Z = MMCX

Connector Type
1 = Male
2 = Male reverse polarity
3 = Male right angle
4 = Female
5 = Female reverse polarity
6 = Female right angle
7 = Male soldered
8 = Female soldered
9 = Female bulkhead

Connector Compatibility
Connectors are not necessarily compatible with every cable type. Please inquire to customer service as to what configurations and inventory are available.

*PCTEL Foam Polyethelyne. See data sheets for detailed specifications.
**Product cable length will be within +/- 2 inches of order.

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Cable Assembly Parts Number Guide

High Efficiency, Low Loss Coaxial Cable Specification Chart

Cable Type	Inner Conductor	Outer Jacket	OD	Dielectric Material	Attenuation (dB/100 ft)					
					200 MHz	700 MHz	900 MHz	2.4 GHz	4.9 GHz	5.8 GHz
Pro-Flex™ Plus 100A	Solid	Black PVC	0.110"	Solid Polyethylene	10.4	20	22.8	39	58	64
Pro-Flex™ Plus 195	Solid	Black PVC	0.195"	Solid Polyethylene	3.7	8.6	10.4	22.4	34.8	35.8
Pro-Flex™ Plus 195, White	Solid	White PVC	0.195"	Solid Polyethylene	3.7	8.6	10.4	22.4	34.8	35.8
Pro-Flex™ Plus 195, A/U	Stranded	Black PVC	0.195"	Solid Polyethylene	6	12	13	22	32	36
PFP195	Solid	Black PVC	0.195"	Foam Polyethylene	5.1	9.8	11.1	19	28	32
PFP240	Solid	Black PVC	0.240"	Foam Polyethylene	3.4	6.6	7.5	12.6	18	20
PFP400	Solid	Black PVC	0.405"	Foam Polyethylene	1.8	3.4	3.9	7	10	11
Pro-Flex™ Plenum	Solid	PTFE	0.195"	White PTFE	5	9.6	11	19	28	32
LMR®-100	Solid	Black PVC	0.110"	Foam Polyethylene	10.4	20	22.8	39	58	64
LMR®-195	Solid	Black PVC	0.195"	Foam Polyethylene	5.1	9.8	11.1	19	28	32
LMR®-240	Solid	Black PVC	0.240"	Foam Polyethylene	3.4	6.6	7.5	12.6	18	20
LMR®-240 Ultraflex	Stranded	Black PVC	0.240"	Foam Polyethylene	4.2	7.9	9	15.2	22	24
LMR®-400	Solid	Black PVC	0.400"	Foam Polyethylene	1.8	3.4	3.9	7	10	11

Coaxial Cable Specification Chart

Cable Type	Inner Conductor	Outer Jacket	OD	Dielectric Material	Attenuation (dB/100 ft)				
					100 MHz	450 MHz	900 MHz	1.6 GHz	2.4 GHz
RG-58/U	Solid	Black PVC	0.195"	Solid Polyethylene	4.5	10	16	22	28
RG-58A/U	Stranded	Black PVC	0.195"	Solid Polyethylene	4.9	11.5	20	27	36
RG-58 PTFE	Stranded	White PTFE	0.160"	White PTFE	3.1	8.1	12.3	21	27
RG-174	Solid	Black PVC	0.110"	Solid Polyethylene	8.4	20	29.5	41	52
RG-316	Stranded	Brown PTFE	0.110"	White PTFE	8	17	25	33	41
RG-213	Stranded	Black PVC	0.405"	Solid Polyethylene	2.2	4.7	8	13	17

Solving Complex Wireless Challenges

PCTEL is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for 29 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.

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