

POLYURETHANE JACKET

TRUE BLUE® 205 & STORM FLEX® 086



POLYURETHANE JACKET RF CABLE ASSEMBLIES



For applications where space is limited and minimizing transferred mechanical stress on the interface connection is a must . . .

The polyurethane jacketed versions of our already proven cable assemblies deliver new engineering options to standard FEP jacketed cables.

Polyurethane offers **greater memory retention** than a similar size cable jacketed with FEP.

This feature offers the benefit of minimizing stress and torque applied to interface connections, such as those on a circuit board.

It also allows cable to better maintain position in an installation where the "spring back" of an FEP jacketed cable could be problematic.

Additionally, a polyurethane jacket offers **improved abrasion resistance** over an FEP jacket.

FEATURES

- ~ "Memory" retention improved over FEP jacketing
- ~ Minimizes transferred mechanical stress
- ~ Higher abrasion resistance
- ~ Controllable flex feel

BENEFITS

- ~ Easier alignment to mating interface
- ~ Easier routing, minimal resistance to positioning
- ~ Minimized damage to DUT or interface connector
- ~ Longer life for test & measurement assembly
- ~ Improved handling



TELEDYNE
STORM MICROWAVE
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High value microwave and
electronic interconnect solutions

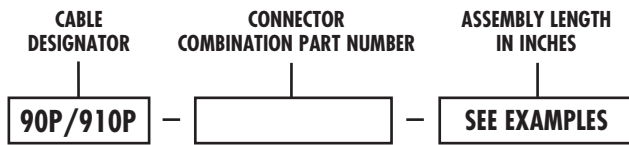
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TRUE BLUE® 205 & STORM FLEX® 086

ORDERING INFORMATION: Part Number Designation



EXAMPLES:

90P-010-120 – True Blue® 205 with polyurethane jacket, SMA SP to SMA SP, 120 inches

910P-0607-036 – Storm Flex® 086 with polyurethane jacket, GPO SJ to GPO RAJ, 36 inches.

TRUE BLUE® 205 CONNECTOR COMBINATIONS*

		26.5 GHz		18 GHz			
		3.5 mm SP	SMA SP	SMA RAP	N SP	N RAP	TNC SP
26.5 GHz	3.5 mm SP	221	246	2399	348	2404	696
	SMA SP	246	010	066	077	102	097
	SMA RAP	2399	066	067	264	272	242
18 GHz	N SP	348	077	264	088	076	094
	N RAP	2404	102	272	076	090	226
	TNC SP	696	097	242	094	226	081

STORM FLEX® 086 CONNECTOR COMBINATIONS*

		18 GHz					
		SMA SP	SMA RAP	GPO® SJ	GPO® RAJ	GPPO® SJ	GPPO® RAJ
18 GHz	SMA SP	0202	0210	0206	0207	0221	0222
	SMA RAP	0210	1010	0610	0710	1021	1022
	GPO® SJ	0206	0610	0606	0607	0621	0622
	GPO® RAJ	0207	0710	0607	0707	0721	0722
	GPPO® SJ	0221	1021	0621	0721	2121	2122
	GPPO® RAJ	0222	1022	0622	0722	2122	2222

* Other connector styles available; consult Storm

SPECIFICATIONS	TRUE BLUE® 205 POLYURETHANE JACKET	STORM FLEX® 086 POLYURETHANE JACKET
Cable Designator	90P	910P
Diameter, Nominal (in/mm)	0.214 / 5.44	0.105 / 2.67
Max Frequency (GHz)	26.5	50
Phase Matching	Available	Available
Phase Stability vs. Flex, Typical ($\pm 360^\circ$ Around 20 X Cable OD Mandrel)	4.40° @ 18 GHz 9.53° @ 26.5 GHz	5.25° @ 18 GHz 15.00° @ 50 GHz
Phase Shift vs. Temperature, Nominal (ppm @ 18 GHz)	1860	4815
Insertion Loss, Nominal (dB / Foot @ Max Frequency)	0.444	1.71
Shielding Effectiveness, Minimum (dB @ 1 GHz)	-105	-90
VSWR, Typical (2 Straight Connectors)	1.35:1 @ 26.5 GHz	1.65:1 @ 50 GHz
Minimum Bend Radius, Static (in/mm)	1.00 / 25.40	0.187 / 4.75
Weight, Nominal (grams per foot / grams per meter)	18.45 / 60.53	5.25 / 17.22
Temperature Range (°C)	-55 to +100	-55 to +100

Specifications subject to change without notice.

CONNECTOR CODES

SP	Straight Plug
SJ	Straight Jack
RAP	Right-Angle Plug
RAJ	Right-Angle Jack

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