

MIL-1553 Use, Pre-Connectorized Cable Sets



We provide hi-quality Triax cable sets for use in MIL-STD-1553B bus. These are typically used in military applications like tanks, aircrafts, ground vehicles that have MIL-1553 bus systems.

Cable Sets incorporate QPL connectors and cables from Trompeter, Raychem or equivalent.

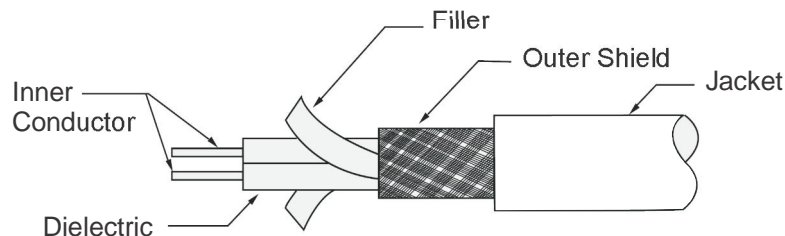
APPLICATIONS

- MIL 1553 bus in Ground based systems
- MIL-1553 bus in military vehicles and tanks
- Helicopters using MIL1553 bus

FEATURES

- We can provide MIL-1553 cable sets with custom lengths, connectors as needed.
- **M17/176-00002** Triax cables or Raychem 106.. series
- **MIL-C-49412** Connectors include threaded/3-lug, male/female triaxials
- Rugged construction with strain relief, continuous 360 degree shield coverage

M17/176-00002 Cables Specifications



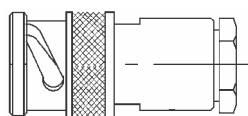
Impedance (Ohms)	77 ± 7
Nominal outer dia. (inch)	0.129
Outer braid dia. (inch)	0.102
Core outer dia. (inch)	0.084
Dielectric dia. (inch)	0.042
Conductor dia. (inch)	0.0230 Min.
Operating temperature	-55 ~ +200°C
Min. bend radius (in.)	1.50
Max. Oper. VAC(RMS)	750 KV
Capacitance pf/ft. (Max)	24.00
Cond. loop res. (Ω/M ft.)	48.00

Attenuation	
1 MHz	1.400
3 MHz	2.100
4 MHz	2.400
5 MHz	2.800
10 MHz	4.50 Max
20 MHz	
500 MHz	
1 GHz	
Shielded coverage	93.3%
Twist per ft.	11-14

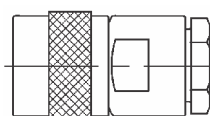
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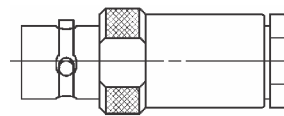
MIL-C-49412 QPL Connectors Used



PL75 Connector



PL155 Connector



CJ70 Connector

Ordering Codes Description

M17/176 - (Length) - (Connector 1) - (Connector 2)
L L - 1 2 3 - 1 2 3 U

LL	Length	0.5 = 0.5 ; 1 = 1
1	Connector Series	PL75 = PL75 ; PL155 = PL155 ; CJ70 = CJ470 ;
2	Male/Female Designator	Male = M ; Female = F
3	Orientation of Connector	ST = Straight ; RA = Right Angle
U	Unit of Length	M = Meter ; F = Feet ; I = Inch

1 meter cable set with PL75 (Male) on both sides = M17/176-1.0-PL75(M/ST)- PL75(M/ST)-M

MIL-1553 Cable Sets Ordering Codes

P/N	Cable	Len. m	Conn 1	Conn 2	Conn 1
M17/176-00002 Cable with PL75-47 Connectors on both sides					
M17/176-1.0-PL75(M/ST)-PL75(M/ST)-M	M17/176-00002	1	PL75-47	PL75-47	3-Lug, Male, straight
M17/176-2.0-PL75(M/ST)-PL75(M/ST)-M	M17/176-00002	2	PL75-47	PL75-47	3-Lug, Male, straight
M17/176-3.0-PL75(M/ST)-PL75(M/ST)-M	M17/176-00002	3	PL75-47	PL75-47	3-Lug, Male, straight
M17/176-4.0-PL75(M/ST)-PL75(M/ST)-M	M17/176-00002	4	PL75-47	PL75-47	3-Lug, Male, straight
M17/176-5.0-PL75(M/ST)-PL75(M/ST)-M	M17/176-00002	5	PL75-47	PL75-47	3-Lug, Male, straight
M17/176-10.0-PL75(M/ST)-PL75(M/ST)-M	M17/176-00002	10	PL75-47	PL75-47	3-Lug, Male, straight
M17/176-00002 Cable with PL155-47 Connectors on both sides					
M17/176-1.0-PL155(M/ST)-PL155(M/ST)-M	M17/176-00002	1	PL155-47	PL155-47	3-Lug, Male, straight
M17/176-2.0-PL155(M/ST)-PL155(M/ST)-M	M17/176-00002	2	PL155-47	PL155-47	3-Lug, Male, straight
M17/176-3.0-PL155(M/ST)-PL155(M/ST)-M	M17/176-00002	3	PL155-47	PL155-47	3-Lug, Male, straight
M17/176-4.0-PL155(M/ST)-PL155(M/ST)-M	M17/176-00002	4	PL155-47	PL155-47	3-Lug, Male, straight
M17/176-5.0-PL155(M/ST)-PL155(M/ST)-M	M17/176-00002	5	PL155-47	PL155-47	3-Lug, Male, straight
M17/176-10.0-PL155(M/ST)-PL155(M/ST)-M	M17/176-00002	10	PL155-47	PL155-47	3-Lug, Male, straight
M17/176-00002 Cable with CJ70-47 Connectors on both sides					
M17/176-1.0-CJ70(M/ST)-CJ70(M/ST)-M	M17/176-00002	1	CJ70-47	CJ70-47	3-Lug, Female, straight
M17/176-2.0-CJ70(M/ST)-CJ70(M/ST)-M	M17/176-00002	2	CJ70-47	CJ70-47	3-Lug, Female, straight
M17/176-3.0-CJ70(M/ST)-CJ70(M/ST)-M	M17/176-00002	3	CJ70-47	CJ70-47	3-Lug, Female, straight
M17/176-4.0-CJ70(M/ST)-CJ70(M/ST)-M	M17/176-00002	4	CJ70-47	CJ70-47	3-Lug, Female, straight
M17/176-5.0-CJ70(M/ST)-CJ70(M/ST)-M	M17/176-00002	5	CJ70-47	CJ70-47	3-Lug, Female, straight
M17/176-10.0-CJ70(M/ST)-CJ70(M/ST)-M	M17/176-00002	10	CJ70-47	CJ70-47	3-Lug, Female, straight

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