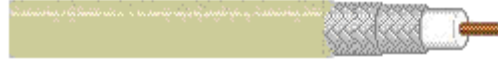


Technical Specification

Cable Type: PSF 1/3 Precision Video Coaxial Cable 22# 75 Ohm

Western Wire Part Number: WPF013xx

Revision: 10/07 Date: 21 February 2007



Physical Description

Inner Conductor	Solid 0.60 mm (22 AWG) bare annealed copper.
Dielectric	Solid LDPE, 3.80 mm nom. OD
Outer Conductor	Dual braid shield
Inner Braid	Tinned-copper Braid, 24x6x0.12mm, 92% min. coverage.
Outer Braid	Tinned-copper Braid, 24x6x0.12mm wires, 90% min. coverage.
Outer Jacket	PVC compound.
Color	See below.
Overall Diameter	6.4±0.25 mm
Surface Marking	See below.

Mechanical Properties

Minimum Bend Radius	10D
Storage Temperature Rating	-20 to +70C
Temperature Rating during installation	0 to +60C
Flame Test	UL 1581 VW-1 & IEC 603321-1
Total Weight	75 Kg/Km nom.

Electrical Properties @ 20C

Characteristic Impedance	75±3 Ohm
Capacitance	55 pF/m nom @ 1 KHz
Velocity of Propagation	66% nom.
DC Resistance of inner conductor	65.0 Ohm/Km max.
Voltage rating	300Vrms
Dielectric strength	5000Vrms per 1 minute min.
Insulation resistance	1000 MOhm·Km min.
Coupling attenuation	80 dB min. @ 30-1000 MHz

Frequency MHz	Attenuation dB/100m		Frequency MHz	Attenuation dB/100m	
	Nom.	Max.		Nom.	Max.
1	1.0	1.2	270	18.0	18.9
10	3.4	3.5	360	21.0	22.0
100	10.6	11.0	570	27.1	28.4
135	12.4	13.2	780	32.3	34.0
180	14.5	15.2	1000	37.5	39.3

Optional Jacket Colors & Surface Printing

WW P/N	Jacket Color	Surface Printing
WPF01301	Ivory RAL 1014	WESTERN WIRE WPF01301 PSF 1/3 PRECISION VIDEO COAXIAL CABLE 22# 75 OHM FSHC FR IEC 60332-1 UL 1581 VW-1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01320	White RAL 1013	WESTERN WIRE WPF01320 PSF 1/3 PRECISION VIDEO COAXIAL CABLE 22# 75 OHM FSHC FR IEC 60332-1 UL 1581 VW-1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01350	Yellow RAL 1021	WESTERN WIRE WPF01321 PSF 1/3 PRECISION VIDEO COAXIAL CABLE 22# 75 OHM FSHC FR IEC 60332-1 UL 1581 VW-1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01380	Purple RAL 4005	WESTERN WIRE WPF01380 PSF 1/3 PRECISION VIDEO COAXIAL CABLE 22# 75 OHM FSHC FR IEC 60332-1 UL 1581 VW-1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER
WPF01390	Grey RAL 7005	WESTERN WIRE WPF01390 PSF 1/3 PRECISION VIDEO COAXIAL CABLE 22# 75 OHM FSHC FR IEC 60332-1 UL 1581 VW-1 CE 2002/95/EC (RoHS) [Month, Year] [Batch Number] [SMM] METER



This cable fully conforms to EU Directive 2002/95/EC (RoHS)