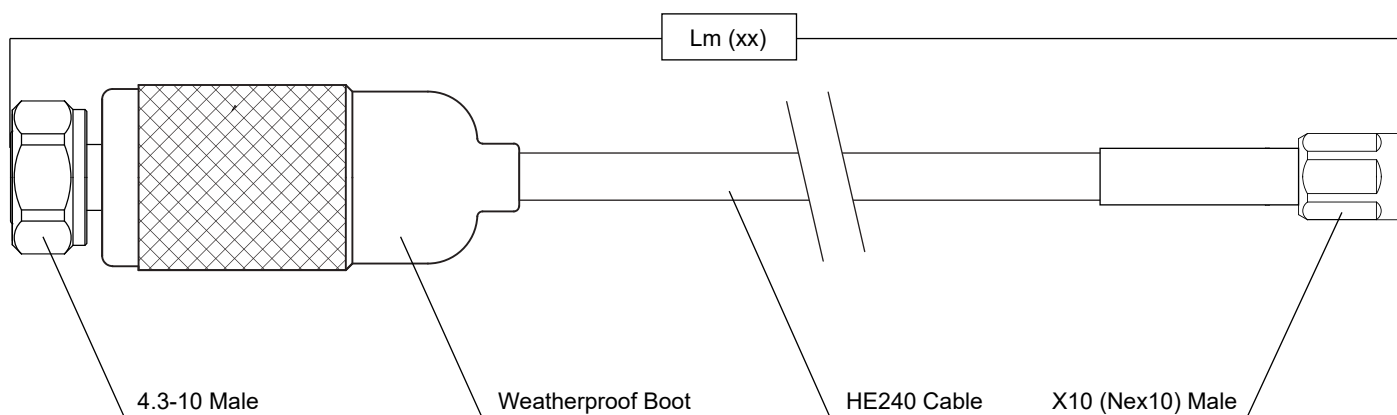




Product specification

4.3-10 MALE (rubber booted) TO X10(NEX10) MALE HE240

25-111K119E5/XXHE



Description

Hughes cable assembly on HE240 LSZH cable of a 4.3-10 Male connector with a rubber weatherproofing boot on one side and an X10 (Nex10) Male connector on the other.

Specification

Cable Construction	
Jacket Colour	Black
Inner Conductor Material	Copper
Dielectric Material	Physical Foam Polyethylene PE
Outer Conductor Material	Bonded aluminium/polyester/aluminium tape + TC Wire Braiding
Outer Conductor Coverage	90%
Jacket Material	LSZH
Electrical Specifications	
Capacitance	78 Pf/m
Impedance	$50 \pm 2 \Omega$
Velocity	85.0%
Insulation Resistance	>5000 M Ω .km
Cut-off Frequency	31GHz
Withstanding Voltage (AC)	1.5 KV
Sparkover Voltage	5.0 KV
Peak Power Rating	5.52 KW
Screen Efficiency	≥ 90 dB

The facts and figures contained herein are carefully complied to the best of our knowledge, but they are intended for general informative purposes only and are subject to change

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Product specification

4.3-10 MALE (rubber booted) TO X10(NEX10) MALE HE240

25-111K119E5/XXHE

VSWR	
800-1000MHz	≤ 1.15
1700-2000MHz	≤ 1.20
2000-2400MHz	≤ 1.25
3000-4000MHz	≤ 1.25

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (db/100m)
100	8	2200	39.5
150	9.9	2500	42.4
220	12	2800	44.8
450	17.3	3000	46.5
900	24.8	3500	50.8
1200	28.7	4000	54.6
1500	32.4	4500	58.1
1800	35.6	5000	61.6
1900	36.5	6000	68
2000	37.7		

*Maximum attenuation value shall be 110% of the nominal attenuation value

Connector A - 4.3-10 Male

Center contact	Brass / Gold Plating
Outer contact & Body	Brass / Trimetal Plating
Dielectric	PTFE
Gasket	Silicon Rubber
Nut	Brass / Nickel Plating
Insertion Loss	≤0.20dB@6GHz
Working voltage	750V ms
Insulation Resistance	≥5000MΩ
Dielectric Strength	1500V rms (DC)

Rubber Boot

Material	Silicone
Temperature Range	-60°C ~ +240°C
Waterproof	Yes

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Product specification

4.3-10 MALE (rubber booted) TO X10(NEX10) MALE HE240

25-111K119E5/XXHE

Connector B - X10 (Nex10) Male	
Center contact	Phosphor Bronze, Silver Plating
Contact head	Beryllium-copper, Silver plating
Insulators	PTFE
Body	Brass, Tri-alloy plating
Gasket	Silicone
Insertion Loss	≤0.20dB@6GHz
Working voltage	500V ms
Insulation Resistance	≥5000MΩ
Contact Resistance	≤1.5mΩ
Environmental and Mechanical Specifications	
Operating Temperature Range	-40°C ~+ 85°C
Recommended Hanger	Hughes 27-CL4S101/0DS1 ONECLAMP DS1 6-16mm 

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