

i-Net Networks 10G Category6A S/FTP PiMF Solid Cable Double Jacket Outdoor



Conductive material: Soft annealed electrolytic copper Conductor insulation: HDPE, film-porous-film structure

Individual shield & material: Al-Foil

Secondary overall shield material: CCAM braiding

Secondary overall shield coverage: ≥40%

Inner jacket material: PVC Outer jacket material: HDPE

Technical

Impedance 1-500 MHz

Max. delay skew

Max. Conductor resistance at 20°C (68°F)

Max. Conductor resistance unbalance at 20°C (68°F)

Insulation resistance

Pair-to-Ground capacitance unbalance

Mutual capacitance

Outer jacket aging condition at 100°C

Tensile strength after ageing

Elongation after ageing

Compliance

Meets ANSI/EIA/TIA 568-D.2 Meets ISO/IEC 2nd edition 11801 class EA Meets CENELEC EN 50173-1, 50288-10-1 Meets IEC 3rd edition 61935-1, 2nd edition 61156-2

Physical

Conductor diameter: 0.57±0.01mm (23AWG)

Insulation diameter: 1.42±0.01mm Drain wire: 0.32mm bare copper

Inner PVC jacket thickness/dimension: 0.6mm/7.9mm Outer PE jacket thickness/dimension: 0.75mm/9.5mm Outer jacket tensile strength/elongation: ≥9.7Mpa/≥350%

Cold bend: No crack @-20°C Hot impact: No crack @+150°C Operating temperature: -20°C~+75°C Standard package: 304.8 m (1000 ft)

100Ω-115Ω

≤45/100m

9.38Ω/100m (2.9Ω/100ft)

≤3%

5000MΩ•km

160pF/100m (51pF/100 ft)

5.6nF/m (1.7nF/ft)

168hrs ≥8Mpa ≥350%

Electrical

Frequency, MHz	Pair Attenuation, dB/100m	NEXT losses, dB	PS NEXT, dB
1	2.1	74.3	72.3
10	5.9	59.3	57.3
100	19.1	44.3	42.3
200	27.6	39.8	37.8
250	31.1	38.3	36.3
300	34.3	37.1	35.1
400	40.1	35.3	33.3
500	45.3	33.8	31.8

Ordering (code change alert: HO6ASS old code replaced by new code HO6AQS)

against the contents of the datasheet and reserves the right to make changes without notice.

HO6AQS-L-D i-Net Networks Horizontal Cable Category6A S/FTP PiMF Solid 23AWG 4-Pair Black PVC+PE Double Jacket Outdoor