

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

**Material**

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: $\geq 40\%$
 Inner jacket material: PVC
 Outer jacket material: HDPE

Technical

Impedance 1-500 MHz	100 Ω -115 Ω
Max. delay skew	$\leq 45/100\text{m}$
Max. Conductor resistance at 20°C (68°F)	9.38 $\Omega/100\text{m}$ (2.9 $\Omega/100\text{ft}$)
Max. Conductor resistance unbalance at 20°C (68°F)	$\leq 3\%$
Insulation resistance	5000M $\Omega \cdot \text{km}$
Pair-to-Ground capacitance unbalance	160pF/100m (51pF/100 ft)
Mutual capacitance	5.6nF/m (1.7nF/ft)
Outer jacket aging condition at 100°C	168hrs
Tensile strength after ageing	$\geq 8\text{Mpa}$
Elongation after ageing	$\geq 350\%$

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)

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