



Syntax®
HYBRID
Cable
for **SGH**
Syntax Gigamod
Connector
Series

2 ETHERNET
Cat6

+ POWER
16amp 5p

syntax
no compromise

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ETHERNET CABLES mod. 7XPW5LAN2CAT6

Specifically designed for the new SGH Syntax Gigamod Hybrid connector.

Useful to make backbone Lines, Rack Links connection that need a balanced load distribution, Hi-Power Video devices distribution system.

The SYNTAX® 7XPW5LAN2CAT6 hybrid cable finds its main application in the field of digital signals, whenever tidy, easy and fast wiring is required. It is particularly suited for backbone lines, rack link connections where a well-balanced load distribution is needed, Hi-Power Video distribution devices and systems.

The power line is wrapped by non woven overlapping tape, a solution granting improved stability and reduced overall diameter ($\varnothing=21,5$). The data signals are conveyed by two Cat6 cables having the same characteristics as our 7XLANCAT6PUR cable, so as to ensure reliable performance in critical conditions. The external flame-retardant black PVC jacket is flexible, trampling-proof, impact absorbing and easy to handle.



Power

- Conductors: Stranded bare copper 5x2,5mm² - IEC60228 CLASS 5
- Conductors Jacket: blue, brown, grey, green-yellow PVC
- Operating Temperature: -30 +70 °C
- Operating Voltage: 450/750V
- External non woven overlapping tape

Ethernet

- Conductors: Solid bare OFC $\varnothing=0.57$ mm - 23 AWG
- Conductors jacket: Polyolefin Foam - $\varnothing=1$ mm
- Color code: green, white-green, orange, white-orange, blue, white-blue, brown, white-brown
- First Jacket: PVC black $\varnothing=6.2$ mm flame retardant
- Screen: tinned copper braid coverage >80%
- Second jacket: PUR - Polyurethane compound black $\varnothing=8.0$ mm
- Resistance of conductors: < 75 Ω /Km
- Insulation resistance: > 5 G Ω /Km
- Capacity between conductors: 48 nF/Km
- Impedance from 1 to 250MHz: 100 $\Omega \pm 15\%$
- Operating temperature: -30° +70° C

Frequency (MHz)	1	4	10	16	20	31.25	62.50	100	200	250
Attenuation (dB/100m)	1.9	3.5	5.4	6.9	7.8	9.9	14.3	18.4	27.1	30.8
Next (dB)	89.3	79.3	69.3	64.7	62.6	58.7	53.0	49.4	44.6	43.2
Return Loss (dB/100m)	30.3	28.5	27.3	26.7	26.4	25.9	25.1	24.2	23.1	21.8