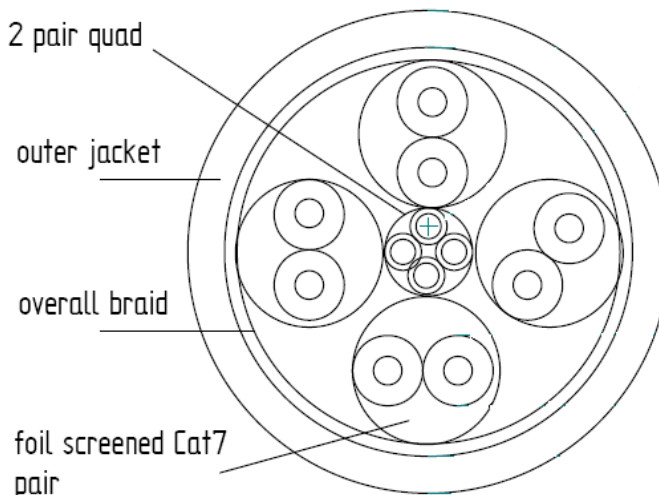




**OUTDOOR S/FTP 4x(2x23 AWG)  
Cat. 7 + 2x(2x24 AWG), 600 MHZ –  
PEWTRONIC**

**GENERAL CONSTRUCTION**

This cable contains 4 foil-shielded 23 AWG twisted pairs complying with Cat - 7 600 Mhz requirements, and two 24 AWG star-quad pairs for low rate transmission, all cabled, overall braid shielded and jacketed with a UV resistant heavy duty FR-PVC compound.



***Mechanical parameters***

1. Basic Cat.7 wires :
  - 1.1. Conductor : solid BC, 23 AWG (0,58 mm)
  - 1.2. Insulation : cellulul PO, 1,43 mm nom.OD.
2. Cat. 7 Pairs construction :
  - 2.1. Total number of pairs : 4
  - 2.2. Color code : Blue x White, Orange x White, Green x White, Brawn x White
  - 2.3. Shield : each pair is Al. foil shielded metal face out.
3. Cat -7 Pair arrangement :
  - 3.1. The four pairs are cabled around 2 x 2 x 24 AWG star-quad core.
4. Star - quad core (added pairs) :
  - 4.1. Conductor : BC, 24 AWG (0,51 mm) nom.OD.
  - 4.2. Insulation : solid PO, 0,8 mm nom.OD.
  - 4.3. DC resistance : 95 Ω/km max. @ 20C
  - 4.4. Pair impedance : 100 Ω
  - 4.5. Color code : blue, white, orange, green
5. Overall shield :
  - 5.1. Tinned copper braid, providing 65 % nom.coverage.
6. Overall jacket :
  - 6.1. Material : UV resistant FR – PVC compound.
  - 6.2. Color : Black (other available per request).
  - 6.3. Marking :  
**www.pewtronic.cz PLU 0300086 S/FTP 4x(2x23AWG) Cat.7 + 2x(2x24 AWG) XXXX METER**
  - 6.4. Overall diameter : 9,8 mm max.
7. Specific environmental conditions :
  - 7.1. Temperature range :-30C to +70C (min. bending radius 105 mm)
  - 7.2. Flame test : IEC 60332.1
8. Total weight :
  - 8.1. 85 Kg /Km, nom.

### ***Electrical parameters***

Operational frequency range :	Cables are tested up to 800 MHz
DC Resistance :	75,0 Ohm/Km max @ 20C
Resistance unbalance :	2 % max
Char. Impedance :	100 ±15 Ohm @ 1-600 MHz
Dielectric strength :	700 Volts AC/1 minute min
Velocity of Propagation :	79 – 80 % nominal
Transfer Impedance :	5 m Ohm/m max @ 1-10 MHz
Capacitance Unbalance :	1,2 pF/m max @ 1 KHz
Propagation Delay :	5,3 nS/m max @ 1 MHz 5,0 nS/m max @ 10 MHz 5,0 nS/m max @ 100 – 600 MHz
Propagation Delay Skew :	15 nS/100 m max @ 1 – 600 MHz
Insulation Resistance :	5 GOhm. Km min @ 500 Vdc, 20C