HV Cable sections

2 possible cables

4 conductor shielded

1 (2x0.22 + 2x0.22) H2M1 15kV CC IEC 60332-1 (?) Novacavi Milano 2007

Dia 7.3mm

Coaxial cable

“PREV 3864 L LSZH Sheath” available from C.P.E. Milano

Dia 5.0 ± 0.1

Occupation in Cable chains. Take the section as squares pilled in line

18 x 4 conductor cables per station.

RE3/1 = 7.3 x 18 x 7.3 x 1 = 960mm2 = 9.6cm2

Total section for one endcap = 19.2cm2 = 20cm2

Coaxial cable

18 x 2 x 1 coaxial conductor

RE3/1 = 5.0 x 18 x 2 x 5.0 x 1 = 900mm2 = 9cm2

Total section for one endcap = 18cm2

An example is 4 x 5cm for 20cm2 or 3 x 6cm for 18cm2. They are both give similar sections, however the smaller will pack better and so be smaller still.