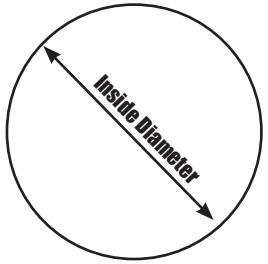
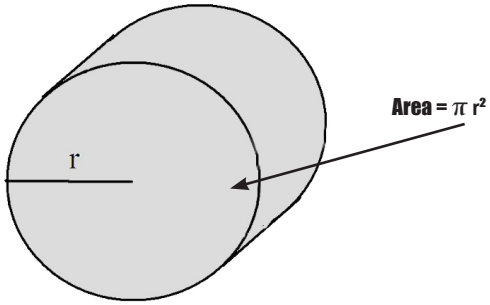
TECHNICAL INFORMATION SHEET

NORSLO

Sleeving & Cable Size Chart
with Cross Section Information

GREEN BROOK ELECTRICAL





Cross Sectional Area is not Diameter.
Cross section is an area.
Diameter is a linear measure.
They are not the same.

Sleeving Size Inside Diameter (mm)	Maximum Cable Size Cross Sectional Area mm²	Conversion to Cable Diameter mm
1.5	1.5	1.4
2	2.5	1.8
3	6	2.8
4	10	3.6
5	16	4.5
6	25	5.6
8	35	6.7
9	50	8
10	70	9.5
12	95	11
16	185	15.4

The cross section or the cross sectional area is the area of such a cut.
It need not necessarily have to be a circle.

Commercially available wire (cable) size as cross sectional area:
0.75mm², 1.5mm², 2.5mm², 4mm², 6mm², 10mm², 16mm²

Calculation of the cross section *A*, entering the diameter *d* = 2 *r*

$$A = r^2 \cdot \pi = \frac{d^2 \cdot \pi}{4} \approx 0.7854 \cdot d^2$$

r = radius of the wire or cable
d - 2 *r* = diameter of the wire or cable

Calculation of the diameter *d* = 2 *r*, entering the cross section *A*:

$$d = 2 \cdot \sqrt{\frac{A}{\pi}} = 2r \approx 1.1284 \cdot \sqrt{A}$$

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