

# SMA & SMBL - Multicore cables

SMBL 07X0,22 VAR.A- Grey

## Contact

Filotex

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Nexans ref.: 10038951

Country ref.: 374750 3AG

EAN 13: 3427620038058

Unscreened (SMA) or screened (SMBL) and jacketed multicore cables

## DESCRIPTION

### APPLICATIONS

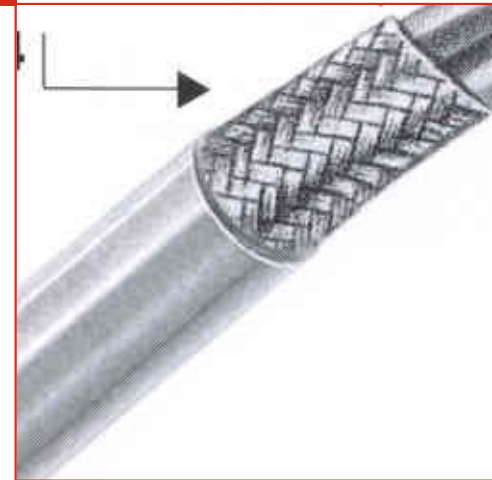
Flexible cables designed for internal wiring in equipment, found in widely varying markets (instrumentation, process-control, remote control, electronic industrial equipment,...).

### CONSTRUCTION

1. CONDUCTOR  
stranded tinned copper wires
2. INSULATION  
flexible PVC
3. LAY UP  
polyester tape (for screened cable only)
4. SCREEN  
tinned copper braid (for screened cables only)
5. OUTER JACKET  
PVC

### Colour coding of the cores

See the attached file.



## STANDARDS

National NF C 32-070/C2

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## CHARACTERISTICS

### Construction characteristics

|                    |                                      |
|--------------------|--------------------------------------|
| Construction type  | Shielded and sheathed                |
| Conductor material | Tinned copper                        |
| Type of conductor  | Circular, stranded                   |
| Insulation         | Flexible PVC                         |
| Screen             | Polyester tape - tinned copper braid |
| Outer sheath       | PVC                                  |

### Dimensional characteristics

|                                  |                      |
|----------------------------------|----------------------|
| Number of cores                  | 7                    |
| Conductor cross-section (AWG)    | 24                   |
| Conductor cross-section          | 0.22 mm <sup>2</sup> |
| Diameter over insulation         | 1.04 mm              |
| Number of core wires (nb x mm Ø) | 7 x 0.20 mm Ø        |
| Nominal outer diameter           | 4.9 mm               |
| Approximate weight               | 45.29 kg/km          |

### Usage characteristics

|           |      |
|-----------|------|
| Packaging | Coil |
|-----------|------|

## SMA/SMBL COLOUR CODING

| Core.<br>n° | Plain<br>colour | Core<br>n° | Plain colour/<br>Ring colour | Core.<br>n° | Plain<br>colour | Core<br>n° | Plain colour/<br>Ring colour |
|-------------|-----------------|------------|------------------------------|-------------|-----------------|------------|------------------------------|
| 1           | White           | 11         | White/Blue                   | 21          | Blue/Brown      | 31         | Yellow/Green                 |
| 2           | Light Blue      | 12         | White/Yellow                 | 22          | Blue/Black      | 32         | Yellow/Grey                  |
| 3           | Yellow          | 13         | White/Brown                  | 23          | Blue/Red        | 33         | Yellow/Orange                |
| 4           | Brown           | 14         | White/Black                  | 24          | Blue/Green      | 34         | Yellow/Purple                |
| 5           | Black           | 15         | White/Red                    | 25          | Blue/Grey       | 35         | Brown/Black                  |
| 6           | Red             | 16         | White/Green                  | 26          | Blue/Orange     | 36         | Brown/Red                    |
| 7           | Green           | 17         | White/Grey                   | 27          | Blue/Purple     | 37         | Brown/Green                  |
| 8           | Grey            | 18         | White/Orange                 | 28          | Yellow/Brown    |            |                              |
| 9           | Orange          | 19         | White/Purple                 | 29          | Yellow/Black    |            |                              |
| 10          | Purple          | 20         | White/Yellow                 | 30          | Yellow/Red      |            |                              |

## DESCRIPTION OF THE CORE

| CONDUCTOR       |       |              | Ø          |
|-----------------|-------|--------------|------------|
| Cross section   | Gauge | Construction | Insulation |
| mm <sup>2</sup> | AWG   | n x Ø mm     | mm         |
| 0.22            | 24    | 7 x 0.20     | 1.04       |
| 0.34            | 22    | 7 x 0.25     | 1.24       |

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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|      |    |           |      |
|------|----|-----------|------|
| 0.6  | 20 | 19x 0.20  | 1.65 |
| 0.93 | 18 | 19 x 0.25 | 1.9  |
| 1.34 | 16 | 19 x 0.30 | 2.27 |