

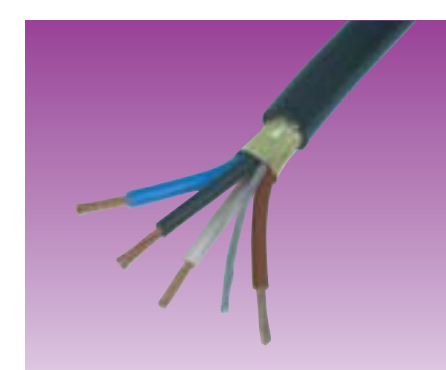
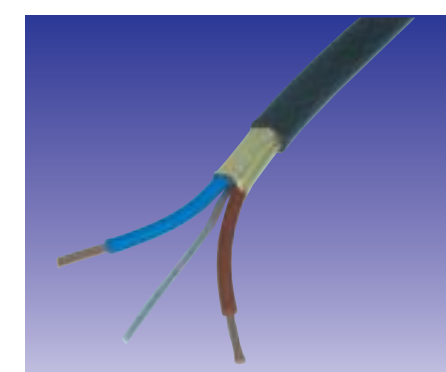
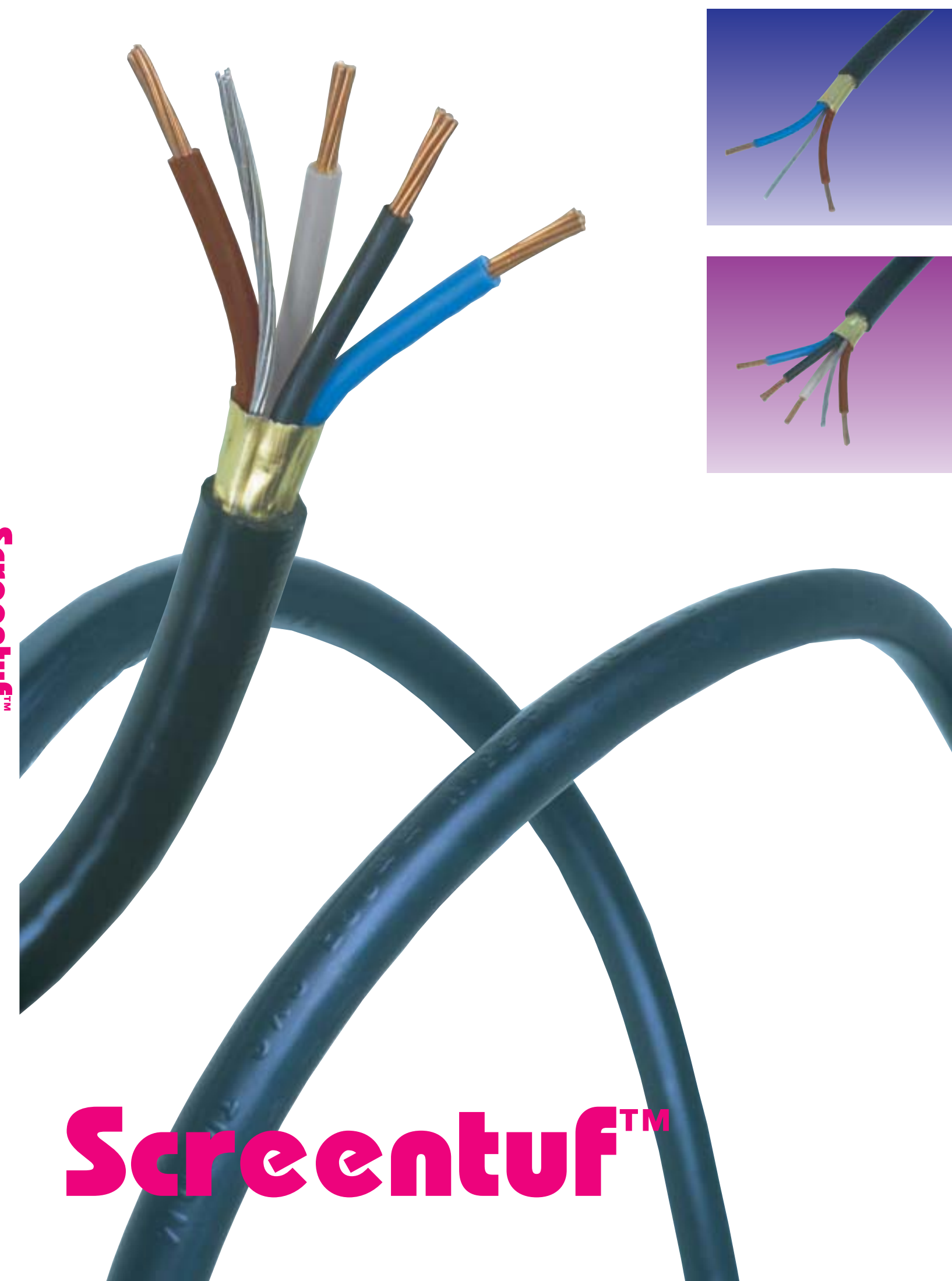
# Screenruf™

## FEATURES and BENEFITS

- **Quick and easy** to terminate – simply ring the outer sheath with cable cutters or a sharp knife, then bend the cable to break the screen and slide out the conductors. Gland with dome top glands.
- **Suitable** for a wide variety of installations including brickwork, stone, wood, metal inside partition walls, under floors, on cable tray or trunking, in ducts, etc., without additional mechanical protection, subject to compliance with the current IEE Regs BS7671.
- **Pliable and durable** – Excellent cable to work with, pliable yet retains its shape when bent and dressed. Rigid enough to stay in place when clipped enabling greater distances between clips.
- **Aluminium tube** – offers mechanical protection, reduced electrical interference and aided EMC compliance.
- **Time Savings** – compared with traditional cabling systems, cable efficiency of this cable ensures vastly reduced installation times and costs.
- **Smaller and Lighter** – than SWA gives greater flexibility, and more capacity on cable support systems and trunking.
- **Quality** – This product has been manufactured in accordance with a Quality Management System, certified by BASEC as meeting the requirements of ISO9001 : 2000.



Screenruf™





Screenruf™ – The new economical, cabling solution specifically developed to meet the increasing needs of Electrical and Building Services Engineers where ease of installation and time mean everything.

Screenruf is a multipurpose, simple to install, easy to terminate, lightweight alternative to SWA (where not buried directly in the ground), SY, CY, even MICC (where flame resistant properties are not required), or to single core cables in conduit. Given the speed and ease of installation against these more traditional cables, Screenruf greatly reduces the installation time and cost.

The longitudinally applied aluminium tube (BS7629 Part 1) reduces electrical interference and aids EMC compliance requirements, and assists in giving the cable a durable, impact resistant outer sheathing, enabling the cable to maintain its shape and rigidity when dressing and clipping, yet remaining pliable to work with.

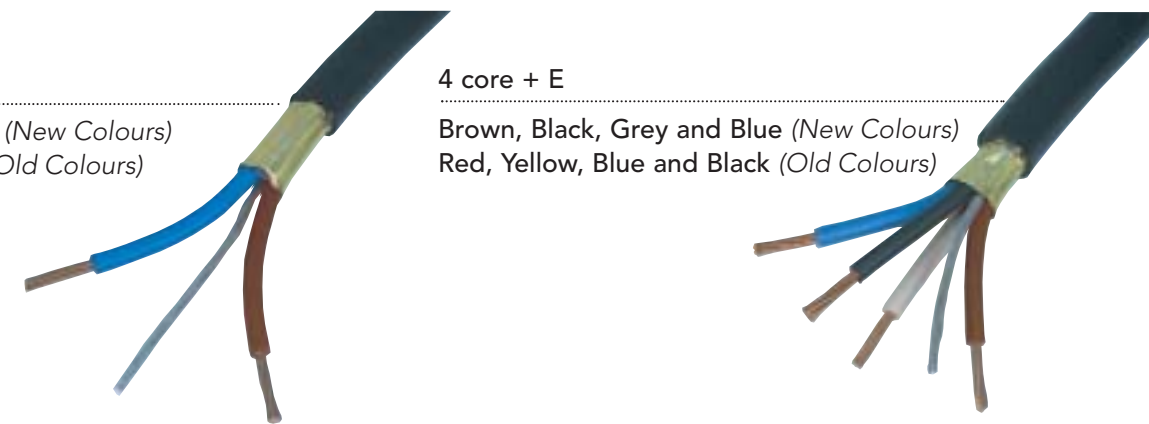
This product has been manufactured in accordance with a Quality Management System, certified by BASEC as meeting the requirements of ISO 9001 : 2000, to produce a Quality, User Friendly cable.

Screenruf is available in 2 core + E and 4 core + E, 1.5mm<sup>2</sup> or 2.5mm<sup>2</sup> in black outer sheathing as standard on 100m reels.

**INSULATION COLOURS**

2 core + E  
Brown and Blue (New Colours)  
Red and Black (Old Colours)

4 core + E  
Brown, Black, Grey and Blue (New Colours)  
Red, Yellow, Blue and Black (Old Colours)



**CABLE CONSTRUCTION**

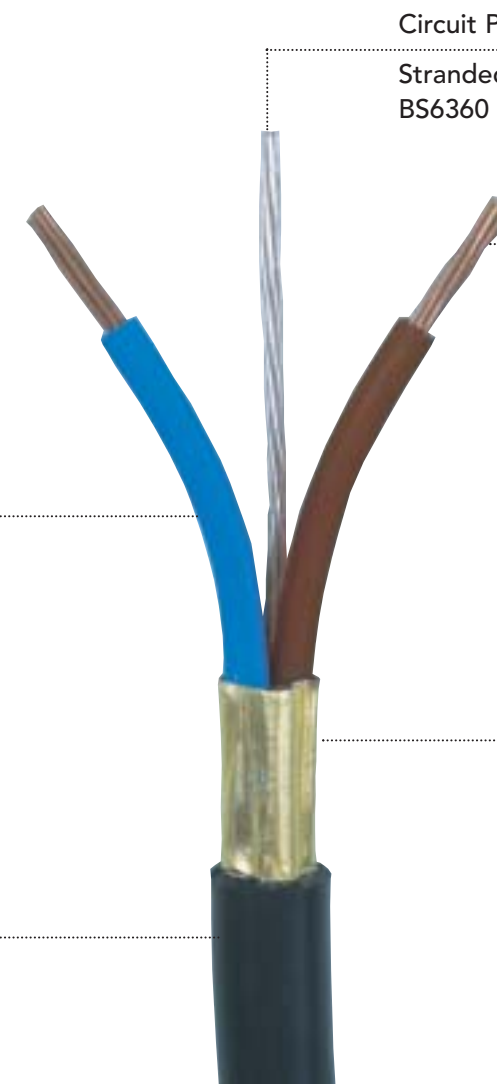
Insulation  
PVC  
BS7655

Sheath  
PVC  
BS7655

Circuit Protective Conductor  
Stranded, Tinned Annealed Copper  
BS6360

Conductor  
Stranded, Plain Annealed Copper  
BS6360

Screen  
Longitudinally applied Aluminium Tube  
BS7629



# Screenruf™

The Tuf Alternative



Ring the cable to slice through insulating sheath.

Bend cable to break through aluminium screen.

Ensure Screen is broken through all round cable.



Slide conductors out of sheath.



Cable is completely stripped in 2 seconds flat. (Compare this with making off SWA cable).

## Technical Data

Voltage Rating 300/500V  
Maximum continuous conductor operating temperature: +90°C  
Minimum installation temperature: -10°C  
Duct Rated  
Sheath: Black  
Minimum bending radius: 4 x cable diameter

**PHYSICAL DATA**

Area mm <sup>2</sup>	Conductor No of Strands /mm	CPC No of Strands /mm	Nominal Insulation Thickness mm	Nominal cable diameter mm		Approximate weight of the cable kg/km	
				2-core	4-core	2-core	4-core
1.5	7/0.53	7/0.42	0.6	7.14	8.9	74	118
2.5	7/0.66	7/0.53	0.6	9.46	10.13	110	168

**ELECTRICAL DATA**

Area mm <sup>2</sup>	Maximum DC Resistance @ 20°C ohms.km	Nominal AC Resistance @ 90°C ohms/km at 50Hz	Inductive reactance ohms/km at 50Hz	Maximum continuous cond. Temp. °C	Short Circuit Rating in kA for 1 sec Symmetrical
1.5	12.1	15.4287	0.105	90	0.215
2.5	7.41	9.4485	0.099	90	0.358
1.0 CPC	18.2				
1.5 CPC	12.2				

**CURRENT RATING**

In Duct

Area mm <sup>2</sup>	Two core cable, single phase AC or DC		Four core cable, Three phase AC	
	Current Rating amp	Volt drop mV/A/m	Current Rating amp	Volt drop mV/A/m
1.5	30	30.858	25	26.724
2.5	40	18.898	33	16.366

In Air

Area mm <sup>2</sup>	Two core cable, single phase AC or DC		Four core cable, Three phase AC	
	Current Rating amp	Volt drop mV/A/m	Current Rating amp	Volt drop mV/A/m
1.5	27	30.858	24	26.724
2.5	38	18.898	32	16.366