SOFT WALL TUBE

CJS-ST

Features

- Flexible
- Crossed linked polyolefin
- Outstanding physical & chemical properties
- Highly flame retardant
- Low smoke generation if burning
- Halogen Free
- Excellent electrical properties
- Operating temperature: -45°C to 125°C
- Shrink temperature: 120°C
- RoHS and Sony compliant

CATALOGUE NO	SIZE (mm)	AS SUPPLIED	AFTER RECOVERY		STANDARD PACKAGE		LAID FLAT (mm)
		Internal Diameter (mm)	Internal Diameter (mm)	Wall Thickness Nom (mm)	Standard Length (mm)	Spool Length (mtr)	
CJS-ST1	1	1.5±0.2	0.65	0.28	1200	200	
CJS-ST1.5	1.5	2.0±0.2	0.85	0.32	1200	200	
CJS-ST2.5	2.5	3.0±0.2	1.3	0.38	1200	200	5
CJS-ST3.5	3.5	4.0±0.2	1.8	0.42	1200	200	7
CJS-ST5	5	5.5±0.2	2.5	0.55	1200	100	9
CJS-ST7	7	7.5±0.3	3.5	0.55	1200	50	12.5
CJS-ST10	10	10.5±0.3	5	0.6	1200	50	17
CJS-ST13	13	13.5±0.3	6.5	0.65	1200	50	22
CJS-ST20	20	21.0±0.5	10	0.8	1200	50	34
CJS-ST25	25	26.0±0.5	12.5	0.9	1200	50	42
CJS-ST30	30	31.5±1.0	15	0.95	1200	50	48
CJS-ST40	40	41.5±1.0	20	1	1200	25	65
CJS-ST50	50	50	25	1	1200	25	82
CJS-ST70	70	70	36	1.3	1200	15	112
CJS-ST100	100	100	51	1.46	1200	15	152
CJS-ST150	150	150	76	1.56	1200	15	237
** Standard Packaging: Spool or Length (shown above)							

** MORE COLOURS AVAILABLE **

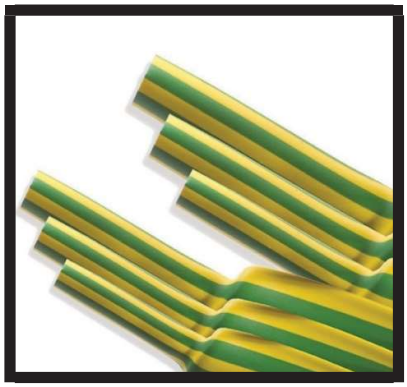
SOFT WALL TUBE (ST)

PROPERTY	TEST METHOD	TYPICAL PERFORMANCE
Tensile Strength (Mpa)	ASTM D2671	10.4MPa
Elongation (%)	ASTM D2671	200%
Tensile Strength after Heat Ageing	UL224 150°C x 168 hrs	≥7.3
Elongation after Ageing (%)	UL224 150°C x 168 hrs	≥100
Flammability	ASTM D570	Self-extinguish in 30 sec
Heat Shock	UL224 225°C x 4 hrs	No dripping – No cracking
ELECTRICAL PROPERTY	**TEST METHOD**	**TYPICAL PERFORMANCE**
Dielectric Strength	IEC 243	15kV/mm
Volume Resistivity	IEC 93	$1x10^{14}\Omega$-cm
CHEMICAL PROPERTY	**TEST METHOD**	**TYPICAL PERFORMANCE**
Corrosion Action	UL224 158°C x 168 hrs	Pass
Copper Compatibility	UL224 158°C x 168 hrs	Pass

GREEN/YELLOW SOFT WALL TUBE

CJS-GY

Outstanding physical, chemical and electrical properties make it easy to install and identify to ground connectors.



Features

- Flexible
- Crossed linked polyolefin
- Outstanding physical & chemical properties
- Highly flame retardant
- Excellent electrical properties
- Operating temperature: -55°C to 125°C
- Shrink temperature: 120°C
- RoHS compliant
- Phase identification (earth wire identification for GY*)*

CATALOGUE NO	*SIZE (mm)*	*AS SUPPLIED*		*AFTER RECOVERY*		*STANDARD PACKAGE*	
		Internal Diameter (mm)	*Wall Thickness (mm)*	*Internal Diameter (mm)*	*Wall Thickness Nom (mm)*	*Standard Length (mm)*	*Spool Length (mtr)*
CJS-GY3	*3.0*	*3.5±0.4*	*0.18±0.08*	*≤1.50*	*0.40±0.10*	*1200*	*200*
CJS-GY6	*6.0*	*6.5±0.4*	*0.28±0.08*	*≤3.00*	*0.55±0.10*	*1200*	*100*
CJS-GY8	*8.0*	*8.5±0.5*	*0.28±0.10*	*≤4.00*	*0.60±0.10*	*1200*	*100*
CJS-GY10	*10*	*10.5±0.5*	*0.30±0.10*	*≤5.00*	*0.60±0.10*	*1200*	*50*
CJS-GY13	*13*	*13.5±0.5*	*0.35±0.12*	*≤6.50*	*0.65±0.10*	*1200*	*50*
CJS-GY20	*20*	*22.0±0.7*	*0.40±0.15*	*≤10.00*	*0.82±0.15*	*1200*	*50*
CJS-GY25	*25*	*26.0±0.7*	*0.55±0.15*	*≤12.50*	*1.00±0.15*	*1200*	*50*
CJS-GY30	*30*	*31.5±0.7*	*0.55±0.15*	*≤15.00*	*1.05±0.15*	*1200*	*50*
CJS-GY40	*40*	*41.5±0.7*	*0.55±0.15*	*≤20.00*	*1.20±0.15*	*1200*	*25*
CJS-GY50	*50*	*51.0±0.7*	*0.55±0.15*	*≤25.00*	*1.20±0.15*	*1200*	*25*
CJS-GY80	*80*	*≥80+0.8*	*0.70±0.15*	*≤40.00*	*1.70±0.20*	*1200*	*15*
CJS-GY120	*120*	*≥120+0.8*	*0.85±0.20*	*≤60.00*	*2.20±0.20*	*1200*	*15*
*** Standard Packaging: Spool or Length (shown above)*							

GREEN/YELLOW SOFT WALL TUBE (G/Y)

PROPERTY	*TEST METHOD*	*TYPICAL PERFORMANCE*
Tensile Strength (Mpa)	*ASTM D2671*	*≥10.4*
Elongation (%)	*ASTM D2671*	*≥200*
Tensile Strength (kV/mm)	*IEC 243*	*>15*
Volume Resistivity (Ω cm)	*IEC 93*	*$\geq 1x10^{14}$*
Tensile Strength after Ageing	*UL224 158°C x 168 hrs*	*≥7.3*
Elongation after Ageing (%)	*UL224 158°C x 168 hrs*	*≥100*
Heat Shock	*UL224 250°C x 4 hrs*	*No Cracking*
Flammability	*UL224*	*Vw-1*
Chemical Resistance	*SAE-AMS-DTL-23053-5*	*Pass*
Flammability	*ASTM-D570*	*Self-extinguish in 30 sec*

MATERIAL SAFETY DATA SHEET – EU (acc. to 91/155 EWG)
Product: CJS-ST SOFT TUBE Issued : 11.06.2021
Manufacturer/Supplier: CABLE JOINTING SUPPLIES

1. Material / Preparation and Company Identification

1.1 Trade name CJS-ST SOFT TUBE

1.2 Manufacturer

Cable jointing Supplies
Unit 1, 45 Burlington Street
Naval Base WA 6165
Tel.: =61 (8) 9437 9355 (7.30am - 4.30pm)

2. Composition/Information on Ingredients

2.1 Chemical Characteristics:

Composition of: ethylene vinyl acetate, polyethylene, stabilisers and pigments, additives containing bromine, antimony trioxide, free of lead and cadmium.

2.2 Hazardous Ingredients:

Antimony trioxide (present bound within the matrix of the polymer)

3. Hazards Identification

not applicable

4. First Aid Measures

Inhalation: If exposed to decomposition products, move to fresh air and rest. Seek medical attention if necessary.

Skin Contact: If skin contact occurs with hot material, cool with running water, and, if necessary, seek medical attention.

Eye Contact: Flush eye out with running water for several minutes. If necessary seek medical attention.

Ingestion: No particular actions are required. Consult a doctor if symptoms are severe.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Agents:

Water, Dry Chemical, Foam

5.2 Unsuitable Extinguishing Agents:

none

5.3 In the event of fire the following may be released:

CO, CO^2, HBr

5.4 Special Protective Equipment for Fire Fighting

Use breathing apparatus with independent air supply

6. Accidental Release Measures

Not applicable

7. Handling and Storage

7.1 Handling

Please note processing instructions. If the material is strongly overheated, gaseous decomposition by-products (monomers and other decomposition products) may be released.

7.2 Protection against fire and explosion

No special measures required

7.3 Storage

Keep in a cool, dry place

8. Exposure Controls/Personal Protection

8.1 Information additional to the technical enclosures

If the area is suitably ventilated, then it can be safely assumed that the limit will not be reached.

8.2 Components with workplace limits which need to be observed

Not applicable

8.3 Personal Protection Measures

Normal protective and hygiene measures suffice.

8.4 General Protection and Hygiene Measures

Wash hands after working with the material, in particular before eating, drinking or smoking.

8.5 Respiratory Protection:..... Not required

8.6 Hand Protection: ..... Not required

8.7 Eye Protection:..... Not required

9. Physical and Chemical Properties

9.1 Phenotype

Physical State:..... Solid, in the form of a tube

Colour:..... Coloured

Odour:.....Typical

9.2 Data relevant to Safety

pH - Value:..... Not applicable

Change of State:..... After approx. 90°C

Melting Point:..... > approx. 290°C

Boiling Point:..... Not applicable

Flash Point:..... Not defined

Inflammability:..... Not defined

Autoignition Temperature:..... Not defined

Danger of Explosion:..... Not defined

Vapour Pressure:.....Not defined

Density:..... approx. 1.35 g/cm^3

9.3 Further Information:

None

10. Stability and Reactivity

Thermal Breakdown/Conditions to Avoid

To avoid thermal breakdown, do not overheat. Thermal breakdown starts at approximately 280°C.

Hazardous Reactions

None known

Hazardous Decomposition or By-products

See section 5.

11. Toxicological Information

Acute Toxicity

No data available

12. Ecological Information

This product is not expected to be harmful since it is solid and insoluble in water.

13. Disposal Considerations

To be disposed of in accordance with the appropriate legislation at a suitable disposal site or incineration plant.

14. Transport Information

14.1 Transport by road

For the purposes of transportation there are no hazardous articles.

14.2 Transport by inland waters

For the purposes of transportation there are no hazardous articles.

14.3 Transport by sea

For the purposes of transportation there are no hazardous articles.

14.4 Transport by air

For the purposes of transportation there are no hazardous articles.

14.5 Further Information

None

15. Regulatory Information

15.1 Marking Instructions according to EU Directives

Risk Designation:.....Not Applicable
Product contents:..... Not Applicable
R-Sentences:..... Not Applicable
S-Sentences:..... Not Applicable

15. 2 National Regulations

With reference to the German Gefahrstoffverordnung (Regulation on hazardous goods) there are no hazardous materials.
With reference to EU Directives the product does not require any classification or special marking.
Verordnung über brennbare Flüssigkeiten VbF (Regulation on combustible fluids): Not Applicable
Wassergefährdungsklasse (WGK) (Class of Danger for Water Pollution) : 0 in general not dangerous for water

16. Other Information

Disclaimer: this information is accurate and reliable to the best of our knowledge. It is furnished without warranty, expressed or implied. DSG-CANUSA, a division of Shaw Industries Ltd. assumes no legal responsibility for the use of, or reliance upon, this data for hazards which might be associated with the use of these materials or for results obtained. It is the responsibility of the user to comply with all applicable laws and regulations. This MSDS was created in compliance with product notification requirements and is not intended to be used for any other purpose.