

# SC100 SOLID WALL PE100 PIPES

## The high performance PE pipe for intermediate pressure pipelines.

Our range of SC100 gas pipes are innovative solid wall polyethylene pipes developed as part of Radius Systems' continuous product improvement process and are the ideal solution for the construction of gas pipelines.

Manufactured using specialist co-extrusion technology, the pipe is produced as a single pipe wall construction with a black inner and an integral colour coded orange outer, denoting the pipe's material and application.

Available in diameters 63 to 500 mm in SDR11 or SDR17.6 for pressure ratings to suit your pipeline requirements, our SC100 pipe can be joined using standard electrofusion and butt-fusion welding techniques.

Ideally suited for new pipeline installations, close-fit legacy pipe rehabilitation and pipe replacement projects, our SC100 gas pipes can be installed using open-cut or no-dig installation techniques.



### Features and Benefits

- Orange colour coded outer to easily identify the pipe material and its application
- Fully compatible with approved electrofusion and spigot fittings.
- Joined using conventional electrofusion and butt-fusion techniques.
- Simple pipe surface preparation for electrofusion jointing using industry approved tooling.
- Suitable for open-cut and no-dig installation techniques.
- Ideal for use in pipe rehabilitation projects.



### Approvals

- GIS/PL2-8 (KM 513620) - pressure rating up to 7 bar
- BS EN 1555-2 (KM 575728) - pressure rating up to 10 bar



# Product Range



## SC100 pipe

Our SC100 pipes are manufactured from PE100 materials and are easily identifiable by their orange coloured outer surface. Manufactured in sizes 63 to 630 mm in straight or coiled pipe, SC100 pipes are available in SDR11 and SDR17.6. For special projects requiring bespoke pipe diameters, SDRs and lengths, please contact Radius Systems.

Nominal diameter mm	SDR	Product code straight pipe		Product code coiled pipe	Weight
		6m	12m	100m	kg/m
63	11	-	FC0069	FC0072	1.1
90	11	-	FC0127	FC0129	2.3
125	11	-	FC0289	FC0291	4.3
180	11	-	FC0532	FC0535	8.9
250	11	-	FC0769	-	17.1
315	11	-	FC0988	-	27.2
355	11	-	FC1047	-	34.6
400	11	FC1104	FC1107	-	43.9
450	11	FC1219	FC1221	-	55.4
500	11	FC1327	FC1329	-	68.5
90	17.6	-	FC0154	FC0156	1.5
125	17.6	-	FC0316	-	2.8
180	17.6	-	FC0562	-	5.9
250	17.6	-	FC0796	-	11.2
315	17.6	-	FC1015	-	17.7
355	17.6	-	FC1074	-	22.6

**Note:** Pipe weights shown are for lifting and handling purposes. They are based on the gas industry specification's maximum pipe diameter and wall thickness.

