

## Comprehensive Cost analysis between Carbon Steel Pipe, PE Pipe&SRPE Pipe

Unit: RMB10,000/KM

Pipe material	Diameter	Material Cost	Connection cost	Cathodic protection cost	Corrosion resistant protection cost	Trench cost	Back filled cost	Sand&stone	Total
Carbon Steel	φ 159x6	11.4	3	0.46	4.05	24	5.5	1.5	49.91
	φ 219x6	13.8	3.6	0.64	5.57	24	5.5	1.5	54.61
	φ 273x7	22.54	4.4	0.8	8.27	30	6	2	74.01
	φ 325x7	21.1	4.4	0.8	8.27	30	6	2	72.57
	φ 426x7	30	5.6	1.07	10.84	30	6	2	85.51
PE Pipe	φ 160	12.6	2.55	/	/	24	5.5	1.5	46.15
	φ 220	20	3.06	/	/	24	5.5	1.5	54.06
	φ 315	48.09	3.74	/	/	30	6	2	89.83
	φ 330	60	3.74	/	/	30	6	2	101.74
SRPE Pipe	DN125 (PE SDR11 φ 160)	18.6	2.5	/	/	24	5.5	1.5	52.1
	DN150 (PE SDR11 φ 180)	19.8	2.5	/	/	24	5.5	1.5	53.3
	DN200 (PE SDR11 φ 250)	35.4	3	/	/	24	5.5	1.5	69.4
	DN250 (PE SDR11 φ 315)	46.8	3.5	/	/	24	5.5	1.5	81.3
	DN300 (PE SDR11 φ 375)	62.4	3.7	/	/	30	6	2	104.1
	DN350 (PE SDR11 φ 400)	84.6	4.5	/	/	30	6	2	127.1